Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6174333	Osiris Therapeutics, Inc.|Case Western Reserve University		yes				mesenchymal stem cell	human		implant
US6174526	The Picower Institute for Medical Research		yes				phenotypic markers of hematopoietic stem cells	mammalian	A method for enhancing wound healing	
US6177019	HemaSure Inc.	yes			A method for removing tumor cells from a tumor cell-contaminated stem cell product					A tumor cell reduction filter means and An apparatus suitable for use as a filtration device for removing tumor cells from a tumor cell-contaminated stem cell product
US6179871	HALPERN ALAN A.						mesenchymal or stem cells			A solid magnetic substrate, said substrate consisting of a porous biodegradable scaffold material having a pore size of 50 to 400 microns to admit entry thereinto of mesenchymal or stem cells.
US6184035	California Institute of Technology	yes			A method of accelerating differentiation of a stem cell or a progenitor cell And A method of enhancing production of skeletal muscle cells that are more differentiated than are starting stem cells or progenitor cells And A method of manipulating a differentiation pathway of a stem or progenitor cell		skeletal muscle stem or skeletal muscle progenitor cell			
US6190655	Immunex Corporation	yes	yes		A method of transfecting an exogenous gene into an hematopoietic cell And A method of transferring an exogenous gene to a mammal		hematopoietic cell			
US6194212	Novartis AG	yes			A method of using a DNA scaffold attachment region (SAR) to increase gene expression in retrovirally transduced eukaryotic resting cells And A method of increasing expression of a heterologous gene in a retrovirally transduced eukaryotic resting cell And A method of down regulating expression of a heterologous gene in a retrovirally transduced eukaryotic resting cell		embryonic stem cell virus (MESV), stem cell virus (MSCV)	Murine embryonic		

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US6197523	Levine; Robert A.	yes			A method for detecting the presence or absence of individual circulating epithelial cancer cells in an anticoagulated whole blood sample and A method for detecting the presence or absence of cancerous cell morphology in individual circulating epithelial cells in a centrifuged sample of anticoagulated whole blood contained in a container And A method for identifying individual circulating cancerous epithelial cells in a centrifuged sample of anticoagulated whole blood And A method for differentiating individual cancer cells from individual hematologic progenitor cells and from other nucleated cells in a sample of anticoagulated whole blood And A method for detecting the presence or absence of individual circulating hematologic progenitor nucleated cells in an anticoagulated whole blood sample		hematologic progenitor cells	blood		
US6197575	Massachusetts Institute of Technology				A method for propagating stem cells		Stem cells			. An apparatus comprising
US6203788	Adherex Inc.		yes				oligodendrocyte progenitor cells	mammal	treating a demyelinating neurological disease	
US6207426	The Johns Hopkins University School of Medicine	yes			A method to prepare a conditionally replicating virus product vector		hematopoietic stem cell			
US6207454	Amgen Inc.	yes			A method of enhancing the efficiency of transfer of a polynucleotide into a target mammalian cell in vitro		hematopoietic progenitor cell	bone marro,peripheral blood, cord blood		
US6210574	BioSeparations, Inc.						nucleated erythroid progenitor cells			A system for separating nucleated blood cells from a blood sample
US6210668	GSF Forschungszentrum fur Umwelt und Gesundheit GmbH		yes						treatment of a patient suffering from cancer	
US6213127	Emory University		yes				peripheral blood stem cells		A method of treating a cancer in a non-autologous recipient with mononuclear cells from a donor source	
US6217867	University of Pittsburgh		yes		A method for conditioning a recipient for bone marrow transplantation		hematopoictic stem cells			

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US6218101	General Biotechnology, LLC	yes			A method for removing cryoprotectant from animal cells which have been cryopreserved in a solution containing a cryoprotectant which is permeable to the cells		hematopoietic stem cells			
US6218187	Cell Genesys, Inc.	yes			A method to transduce mammalian hematopoietic stem cells with retroviral supernatants produced by transient transfection And A method to transduce mammalian T or B lymphocytes with retroviral vectors produced by transient transfection		hematopoietic stem cells	mammalian		
US6225044	Centre National de la Recherche Scientifique	yes			A method of determining the degree of maturity of stem cells		Stem cell			
US6225082	Research Corporation Technologies, Inc.	yes			A method of expressing a heterologous gene in a eukaryotic cell		Nonneuronal cell line (hemopoietic stem cell line)	human		
US6225119	Osiris Therapeutics, Inc.		yes		A method of producing megakaryocytes and A method of producing genetically modified megakaryocytes		mesenchymal stem cells and hematopoietic stem cells	human		
US6232121	KEEPING HUGH S.	yes			A method for producing a surface for supporting the growth, attachment and/or differentiation of cells		Stem cell	Plant fish insect		
US6235463	General Biotechnology, LLC	yes			A method for removing cryoprotectant from a suspension of animal cells in a cryoprotectant-containing solution		hematopoietic stem cells			
US6238922	StemCells, Inc.	yes			A method for the in vitro proliferation of a neural stem cell culture And A method for expanding a neural stem cell culture		neural stem cells			
US6239157	Osiris Therapeutics, Inc.	yes			A method for inhibiting the differentiation of CD34+ cells into osteoclasts And A method for treating osteoporosis And A method for reducing bone resorption in a patient				treating osteoporosis A method for reducing bone resorption in a patient	
US6241984	The Indiana University Foundation	yes	yes		A method for autologous hematopoietic cell transplantation		hematopoietic progenitor cells			
US6245108	Spineco						Stem cells			A prosthetic implant to form a rigid structure between adjoining vertebrae in a spinal column
US6245564	Cornell Research Foundation, Inc.	yes			An in vitro method of identifying and separating a single mammalian neural cell type or a progenitor thereof from a mixed population containing other mammalian brain or spinal cord cell types, wherein the single mammalian neural cell type or progenitor thereof is either a neuronal progenitor cell, an oligodendrocyte progenitor cell, a neuron, or an oligodendrocyte		Neural progenitor cell	mammalian		

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US6248319	ZSEBO KRISZTINA M.|BOSSELMAN ROBERT A.|SUGGS SIDNEY V.|MART N FRANCIS H.		yes		A method for increasing the number of early hematopoietic progenitor cells in the peripheral blood of a human		hematopoietic progenitor cells	Human blood		
US6251383	National Institute of Immunology	yes	yes		An in-vitro method for for increasing the number of hematopoietic cells comprising culturing the cells in a medium And A method for inducing the production of IL-6 by hematopoietic cells And An improved method for transplantation of hematopoietic cells into a mammal		hematopoietic cells	mammal		
US6251671	Vanderbilt University	yes			A method of proliferating mammalian spermatogonial stem cells, consisting of culturing spermatogonial stem cells with a growth factor And A method of extending viability of a mammalian spermatogonial cell population		spermatogonial stem cells	mammalian		
US6254870	G. D. Searle & Co.	yes			A method for selective ex vivo expansion of hematopoietic stem cells		hematopoietic stem cells			
US6255112	Osiris Therapeutics, Inc.	yes			A method for producing osteoclasts in vitro comprising co-culturing mesenchymal stem cells with hematopoietic stem cells And A method of obtaining genetically modified osteoclasts		mesenchymal stem cells hematopoietic stem cells			
US6258354	GREENBERGER JOEL S.	yes			A method for homing hematopoietic stem cells to transplanted bone marrow stromal cells and inducing proliferation of those stem cells in a host		hematopoietic stem cells			
US6258597	Point Therapeutics, Inc.	yes			A method for stimulating hematopoietic cells in vitro		hematopoietic cells (umbilical cord blood cells and bone marrow cells)			
US6261549	Osiris Therapeutics, Inc.		yes		A process for obtaining human mesenchymal stem cells from an individual		mesenchymal stem cells	human		
US6261841	The Board of Trustees of Northwestern University	yes			A method of maintaining mammalian hematopoietic progenitor cells in vitro And A method of inducing proliferation of mammalian hematopoietic progenitor cells in vitro And A method of inducing mammalian hematopoietic progenitor cells to differentiate in vitro into megakaryocytes		hematopoietic progenitor cells	mammalian		
US6267968	Vacsyn S.A.		yes		A method for inducing undifferentiated hematopoietic stem cell stimulation and their mobilization into the circulating blood		undifferentiated hematopoietic stem cell	Mammal blood		

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US6200811	The Regents of the University of California	yes		A cell transformation vector	A method of transforming a cell in vitro, wherein the cell is a CD34.sup.+ stem cell.					
US6207371	Lexicon Genetics Incorporated	yes		A collection of cultured eucaryotic cells and A collection of cultured embryonic stem cells	A method of generating a collection of cultured embryonic stem cells		embryonic stem cells	mouse, rat or human		
US6218370	Transgene S A.	yes		A complex	A method of delivery comprising transferring at least one therapeutically active substance into target cells		hematopoietic stem cell	mammalian		
US6221359	Toray Industries, Inc.	yes		A composition comprising hepatocyte growth factor and IL-3	A process for promoting the proliferation and differentiation of hemopoietic stem cells		hemopoietic stem cells	human bone marrow		
US6214369	MorphoGen Pharmaceuticals, Inc.			A composition for growing new cartilage and or bone in a patient And A composition for growing new articular cartilage or articular cartilage and subchondral bone in a patient			mesenchymal stem cells			
US6248934	The Regents of the University of California	yes		A gene trap vector And A mouse embryonic stem cell, or a progeny cell thereof	A method of expressing an axon reporter in a mouse embryonic stem cell, or a progeny cell thereof		embryonic stem cell	mouse		
US6218186	Trustees of the University of Pennsylvania			A hybrid viral vector comprising a human immunodeficiency virus			stem cell retrovirus long terminal repeat	murine		
US6190910	The Institute of Physical and Chemical Research			A mouse embryonic stem cell line			embryonic stem cell line	mouse		
US6248326	JULIAN BRUCE A.	yes		A non-naturally occurring non-human antibody inhibitor of osteoblastic stem cell factor	A method of inhibiting differentiation of osteoclasts induced by osteoblastic stem cell factor		osteoblastic stem cell factor			
US6218181	The Salk Institute for Biological Studies			A packaging cell line			embryonic stem cell			

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US6184033	Centr Embrionalnikh Tkaney "Emcell"			A pharmaceutical composition for administration to a human having acquired immune deficiency syndrome caused by HIV-infection			hematopoietic liver cells, hematopoietic spleen cells	human		
US6184030	KATOOT MOHAMMAD W.|KATOOT, ADMINISTRATOR KAREN ROBBYN GOODAN|KATOOT, ADMINISTRATOR ALI MAROOF|KATOOT, ADMINISTRATOR AHMED MAROOF			A polymer composition comprising a polymer and an antibody, wherein the polymer is selected from the group consisting of polymers of pyrrole, thiophene, aniline, and combinations thereof, said polymer composition being adapted to bind specifically to an analyte and to release the analyte,	A method of isolating an analyte		Stem cell			
US6204061	University of Utah Research Foundation	yes		A population of cells	A method of culturing a cell, comprising culturing a cell having a genome comprising a modification of a target DNA sequence, wherein the modification was introduced into the genome of the cell or an ancestor thereof		hematopoietic, epithelial, liver, lung, bone marrow, endothelial, mesenchymal, neural and muscle stem cells			
US6204363	Amgen Inc.			A purified and isolated polypeptide expression product of the nucleic acid			hematopoietic progenitor cells			
US6200806	Wisconsin Alumni Research Foundation	yes		A purified preparation of pluripotent human embryonic stem cells	A method of isolating a pluripotent human embryonic stem cell line		pluripotent embryonic stem cells	human		
US6231893	London Health Services Centre			A purified, water soluble, non-peptide, negatively charged factor			bone marrow cells myeloid progenitor cells.	mammalian		

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US6201168	University of Iowa Research Foundation		yes	A transgenic knockout mouse whose genome comprises a homozygous disruption in its endogenous beta.-sarcoglycan gene	A method for identifying a candidate therapeutic compound for the treatment of an individual diagnosed with .beta.-sarcoglycan-deficient limb-girdle muscular dystrophy And A method of identifying a candidate therapeutic compound for the treatment of ischemic heart disease in an individual caused by a reduced expression of beta.-sarcoglycan in the vascular smooth muscles of the individual		embryonic stem cell	mouse	treatment of an individual diagnosed with .beta.-sarcoglycan-deficient limb-girdle muscular dystrophy and treatment of ischemic heart disease in an individual	
US6251669	Emory University	yes		An isolated cellular composition comprising greater than 90% mammalian, non-tumor derived, neuronal progenitor cells	A method of obtaining an isolated cellular composition comprising greater than 90% mammalian, non-tumor derived, neuronal progenitor cells		non-tumor derived, neuronal progenitor cells	mammalian		
US6218148	Amgen Inc.			An isolated DNA sequence encoding a polypeptide product having the hematopoietic biological activity of stimulating growth of early hematopoietic progenitor cells			hematopoietic progenitor cells			
US6251675	Duke University	yes		An isolated hematopoietic stem cell comprising a mutant rev gene encoding mutant protein M10	A method of inhibiting replication of a human immunodeficiency virus in an isolated cell or its progeny And A method of inhibiting HIV-1 replication in an isolated hematopoietic stem cell or its progeny		hematopoietic stem cell			
US6239109	University of Southern California	yes				A method for augmenting erythropoiesis	erythroid progenitor cells			
US6225051	Sugiyama; Haruo|Kishimoto; Tadamitsu	yes				A method for detecting solid cancer cells selected from the group consisting of gastric, colon, lung, breast, germ cell tumor and thyroid cancer cells				

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US6207451	The Regents of the University of Michigan	yes		A mammalian muscle construct		A method for forming a mammalian muscle construct from myogenic precursor cells				
US6224893	Massachusetts Institute of Technology|University Technology Corporation|The General Hospital Hospital Corporation		yes	A composition for implanting cells or biologically active molecules in a mammal		A method for forming a tissue equivalent in a patient	mesenchymal stem cells			
US6171610	University of Massachusetts|The Children's Medical Center Corporation	yes		A tissue forming structure		A method for generating new tissue A method of treating defective nervous tissue	neural stem cells, neuroendocrine stem cells, and cartilage forming cells	central nervous system, autonomic nervous system, peripheral nervous system		
US6258998 (Cloning Patent)	Infigen, Inc.		yes			A method for preparing a porcine embryo capable of developing into a live-born porcine animal And A process for preparing a porcine animal				
US6225525	Ortho-McNeil Pharmaceutical, Inc.		yes	A transgenic mouse		A method for producing a transgenic mouse	embryonic stem cells	mouse		
US6239326	The Wistar Institute of Anatomy and Biology		yes	A transgenic mouse		A method for producing a transgenic mouse	embryonic stem cell	mouse		
US6184436	Institut de Recherches Cliniques de Montreal		yes	A transgenic or chimeric mouse to serve as a small animal model		A method for producing a transgenic mouse to serve as a small animal model of A DS	embryonic stem cell			

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US6251665	CEZAY RLI CEM|SILVERS MEL	yes				A method for producing cancer-specific programmed super antigen presenting cells (pSAPCs) capable of stimulating an immune response to said cancer	CD34 positive hematopoietic stem cells			
US6228640	CEZAY RLI CEM|SILVERS MEL	yes				A method for producing disease-specific programmed super antigen presenting cells (pSAPCs) capable of stimulating an immune response to said disease	CD34 positive hematopoietic stem cells			
US6221647	Amgen, Inc.	yes				A method for producing gene targeting constructs in bacteria	embryonic stem cells			
US6242247	Sulzer Orthopedics Ltd.	yes				A method for producing in vitro cartilage tissue and an implant comprising cartilage tissue				A device for producing in vitro cartilage tissue and an implant comprising cartilage tissue
US6262337	Ludwig Institute for Cancer Research		yes	A transgenic mouse And A mouse embryonic stem cell homozygous for a disrupted VEGF-B gene		A method for producing the transgenic mouse	embryonic stem cell			
US6224860	Quality Biological, Inc.		yes			A method for repopulating human host bone marrow	Bone marrow stem cells	human		

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US6187992	Merck & co., Inc.|Merck Frosst Canada & Co.		yes	A transgenic mouse whose genome comprises a disruption of the gene encoding amyloid precursor protein (APP)		A method of producing a mouse whose genome comprises a disruption of the gene encoding amyloid precursor protein (APP)	embryonic stem cells	mouse		
US6204432	Ortho-McNeil Pharmaceutical, Inc.		yes	A transgenic mouse whose somatic and germ cells comprise a homozygous disruption in the endogenous PA28.beta. gene		A method of producing a transgenic mouse whose somatic and germ cells comprise a homozygous disruption in the endogenous PA28 beta. gene	embryonic stem cell	mouse		
US6258357	Vasogen Ireland Limited		yes			A process of alleviating the development of graft versus host disease complications in a mammalian patient undergoing or about to undergo a bone marrow transplant	stem cells	human		
US6227202 BROAD CLAIMS	Maulana Azad Medical College		yes			An in vivo and in situ method of organogenesis of various tissues or organs in a mammalian body	Stem cells	mammalian		
US6238902	Genentech, Inc.			An isolated non-receptor protein tyrosine phosphatase of hematopoietic stem cells			hematopoietic stem cells (PTP HSC)			
US6261834	Research Corporation Technologies, Inc.			An expression vector for site-specific integration and cell-specific gene expression			hematopoietic stem or hematopoietic progenitor cell			

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US6245965	St. Jude Children's Research Hospital		yes	A knockout mouse And A cell isolated from a knockout mouse And A mouse cell whose genome is manipulated	A method of selecting an agent that modulates neuronal cell proliferation		neuronal stem cell	mouse		
US6268119	Asahi Medical Co., Ltd.	yes			A cell separation method		hematopoietic stem cells			
US6271028	O'DONNELL, JR. FRANCIS E.	yes			A method of preparing host cells that are substantially devoid of infrastructure required for viral replication		lymphocytic stem cells			
US6271436 Transgenic pig	The Texas A & M University System	yes		A cell culture		A method of growing porcine primordial germ cells And A method of producing a transgenic pig	stem cell factor			
US6277369	University of Southern California	yes	yes			A method for providing a mammal with a therapeutic factor IX protein	bone marrow-derived mesenchymal stem cells	mammalian		
US6277557	Regents of the University of Minnesota	yes		An infusible grade storage medium for mononuclear cells	A method for preserving mononuclear cells		stem cells			
US6280718	Wisconsin Alumni Reasearch Foundation		yes		A method for obtaining human hematopoietic cells And A method of transplanting human cells into a human recipient host		pluripotent embryonic stem cell	human		
US6280724	ImClone Systems Incorporated		yes	A composition for maintaining viability of progenitor cells ex vivo	A method for preserving progenitor cell And A method of treating a mammal in need of hematopoietic therapy And A method of enriching progenitor cells And A method of improving hematopoietic competence in a mammal		hematopoietic progenitor cells	mammalian		
US6280957	The General Hospital Corporation		yes			A method of promoting acceptance, by a recipient mammal, of a graft from a donor mammal of the same species	hematopoietic stem cells	mammalian		
US6281009	The General Hospital Corporation	yes		A nucleic acid And A non-human cell that contains a nucleic acid	A method of expressing an exogenous gene in a mammalian cell		stem cells	mammalian		
US6281012	Osiris Therapeutics, Inc.	yes			A method of preparing suppressor T-cells		mesenchymal stem cells			

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US6284535	The Trustees of Columbia University in the City of New York			An isolated nucleic acid molecule encoding an nARIA polypeptide			stem cell			
US6284539	NeuralStem Biopharmaceuticals, Ltd.	yes			A method for generating tyrosine hydroxylase expressing cells in a culture of mammalian CNS stem cells		CNS stem cell	mammalian		
US6287537	The Regents of the University of Michigan|Coulter Pharmaceutical, Inc.		yes				hematopoietic stem cells	human	immunotherapy of B-cell lymphoma and immunotherapy of a neoplasm of B cell lineage	
US6287863	Nature Technology Corporation		yes		A method of transferring a DNA sequence to an oviduct or embryo of an egg laying species And A method of transferring a DNA sequence into a cell And A method of transferring a DNA sequence to a mammary cell and A method for preparing genetically modified hematopoietic stem cells derived from bone marrow		hematopoietic stem cells derived from bone marrow			
US6287864	Takara Shuzo Co., Ltd.	yes			A method for transferring a gene into target hematopoietic stem cells by a retrovirus		hematopoietic stem cells			
US6291240	Advanced Tissue Sciences, Inc.	yes			A method for inducing the production of at least one regulatory protein selected from the group consisting of PDGF A, VEGF, TGF-.beta.1, bFGF, KGFA, HGF and HBEGF, in cells in vitro And A method for culturing parenchymal cells on a three-dimensional tissue construct prepared in vitro		mesenchymal stem cells			
US6294346	Neurospheres Holdings, Ltd.	yes			A method for screening biological agents which affect proliferation, differentiation or survival of CNS cells		neural stem cell			
US6296846	The General Hospital		yes			A method of inducing xenogeneic tolerance in a recipient primate to a swine graft	hematopoietic stem cells	swine		

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US6299878	Cellena AG		yes			A method for controlling an immune response to an allograft or a xenograft of foreign tissues or cells in a mammal in need of such treatment And A method for controlling an immune response to an allograft or a xenograft of foreign tissues or cells in a mammal in need of such treatment	peripheral blood progenitor cells	mammal		
US6300314	Point Therapeutics, Inc.		yes				Stem cell		A method for treating a subject to stimulate hematopoiesis of hematopoietic cells other than mature lymphocytes in the subject And A method for shortening the time that a subject has an abnormally low level of hematopoietic or mature blood cells resulting from treatment with a hematopoietic cell inhibitor And A method for preparing a subject's cells for reintroduction into the subject And A method for stimulating	

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US6303327	Von Melchner; Harald|Holzer; Dieter			A system for identifying a gene expressed in a cell			embryonic stem cell			
US6303334	Warner Lambert Company|University of Michigan	yes		An isolated nucleic acid sequence And A vector comprising an isolated nucleic acid sequence	A method of transfecting a cell in vitro		hematopoietic progenitor cell	human		
US6303576	Adherex Technologies Inc.	yes			A method for modulating .beta.-catenin mediated gene transcription in a cell And A method for modulating differentiation of a cell		stem cell	cultured		
US6306575	StemCell Technologies, Inc.	yes			A negative selection process for enriching and recovering human hematopoietic progenitor cells and human hematopoietic stem cells in a sample containing human hematopoietic differentiated cells, human hematopoietic progenitor cells, human hematopoietic stem cells, and tumor cells		hematopoietic progenitor cells and hematopoietic stem cells	human		
US6306650	UAB Research Foundation			A nucleic acid molecule encoding a delta.-EKLF polypeptide having the amino acid sequence of a .beta.-EKLF polypeptide And A cell that contains a nucleic acid molecule encoding a .delta.-EKLF polypeptide having the amino acid sequence of a beta.-EKLF polypeptide And A vector containing a nucleic acid molecule encoding a delta.-EKLF polypeptide having the amino acid sequence of a .beta.-EKLF polypeptide			hematopoietic stem cell			

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US6306651	The General Hospital Corporation			An isolated bone marrow hematopoietic stem cell from a recipient mammal of a first species A human bone marrow hematopoietic stem cell			bone marrow hematopoietic stem cell	Mammal And human		
US6310195	ImClone Systems Incorporated			An isolated nucleic acid molecule			progenitor cells			
US6310270	The General Hospital Corporation		yes	A transgenic mouse comprising a disrupted endothelial nitric oxide synthase (eNOS) gene And A murine cell line		A method of making a transgenic mouse having a disrupted eNOS gene	embryonic stem cell	murine		
US6312949	The Salk Institute for Biological Studies			A cell comprising exogenous nucleic acid			neural progenitor cell			
US6312957	Introgene B.V.	yes			A process of genetically modifying pluripotent hemopoietic stem cells of primates (P-PHSC)		hemopoietic stem cells	primates		
US6313373	Case Western Reserve University		yes	A purified oligonucleotide And A recombinant expression vector And An isolated host cell And A mouse cell And A transgenic mouse displaying tissue specific expression of a nucleic acid sequence of interest		embryonic stem cell	mouse			
US6315706	Gambro, Inc.	yes		A combination of a centrifuge and a bag assembly for batchwise separation of cells by centrifugation	A method for batchwise separation of cells in a bag assembly arranged in a centrifuge rotor		stem cells			

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US6316190	The United States of America as represented by the Secretary of the Department of Health and Human Services			A targeted molecule comprising an oligonucleotide which binds to a retroviral nucleocapsid protein with high affinity, and a fusion partner And A recombinant nucleic acid which encodes an oligonucleotide And A composition comprising a molecular decoy And An assay for detecting target molecules	A method of detecting a nucleocapsid (NC) protein And A method of purifying an NC protein		stem cell	human		
US6316603	Agouron Pharmaceuticals, Inc.			A modified receptor tyrosine kinase (RTK) polypeptide suitable for x-ray crystallography			stem cell growth factor receptor			
US6316692	CEDARS SINAI MEDICAL CENTER|IMPERIAL COLLEGE		yes			An in vivo method of incorporating a polynucleotide into germ cells of a male non-human mammal for the production of transgenic non-human mammals	spermatogonial stem cells	Male non-human mammal		
US6319499	Amgen Inc.		yes		A method of activating an endogenous activity of an erythropoietin receptor in a mammal		erythroid progenitor cells	mammal		
US6319914	Apollo BioPharmaceuticals, Inc.|University of Florida Research Foundation, Inc.	yes			A method for conferring a cytoprotective effect on a population of cells And A method for conferring cytoprotection in a population of cells in a subject		Stem cells			

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US6322784	Osiris Therapeutics, Inc.	yes		A composition which comprises human mesenchymal stem cells (hMSCs) and a substance which induces cells from the mesenchymal stem cell population to differentiate into the adipogenic lineage	A process for inducing a human mesenchymal stem cells (hMSCs) to differentiate into adipocytes		mesenchymal stem cells	human		
US6326198	Regents of the University of Michigan	yes			A method for obtaining ex vivo human stem cell division And A method for expanding a human hematopoietic stem cell pool And A method for culturing human hematopoietic progenitor cells And A method for obtaining red blood cells And A method for obtaining granulocytes		hematopoietic stem cell	human		
US6326201	Curis, Inc.	yes			A method of isolating progenitor cells And A method for stimulating the ex vivo proliferation of mammalian pancreatic beta.-islet cells And A method for stimulating the ex vivo proliferation of human adult pancreatic beta islet-cells		progenitor cells			
US6326205	Systemix, Inc.	yes			A method for genetically modifying a population of human hematopoietic stem cells		hematopoietic stem cells	human		
US6326473	Suomen Punainen Risti Veripalvelu		yes				stem cell		treating a patient suffering from a condition in which endogenous plasma transferrin is saturated with iron and there is non-transferrin-bound iron in the plasma	
US6328762	Sulzer Biologics, Inc.		yes			A method for producing a prosthetic graft	mesenchymal stem cells			A prosthetic graft for containment of blood flow in vivo And A vascular graft
US6328765	Gore Enterprise Holdings, Inc.		yes		A method of generating desired living tissue having a desired configuration in a mamma		stem cells	mammalian		

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US6328960	Osiris Therapeutics, Inc.		yes		A process for treating a transplant recipient to reduce in said recipient an immune response of effector cells against an alloantigen to the effector cells		mesenchymal stem cells			
US6329136	The Regents of the University of California	yes			A method for preparing a virus-safe biological material obtained from human blood And A method for treating human cells in a biological preparation		stem cells	human		
US6331403	POTEMPA LAWRENCE A|RADOSEVICH JAMES A	yes			A method of promoting maturation of immature cells other than cancer cells and megakaryocyte progenitors in vitro And A method of slowing the growth of growing cells other than cancer cells and megakaryocyte progenitors in vitro		stem cells and progenitor cells			
US6333171	Universite Pierre et Marie Curie	yes			A method of causing selective expression of a nucleic acid in mature T lymphocytes		hematopoietic stem cells			
US6333192	North Carolina State University	yes			A method of producing a sustained culture of undifferentiated avian cells expressing an embryonic stem cell phenotype		embryonic stem cell phenotype	avian		
US6335195	Maret Corporation	yes			A method of accelerating the proliferation of hematopoietic lineage-specific cells And A method of accelerating the differentiation of hematopoietic pluripotent progenitor or lineage-specific cells		hematopoietic pluripotent progenitor or lineage-specific cells			
US6337184	MILLER JEFFREY B.	yes			A method for identifying a muscle stem cell And A method for determining whether a test compound modulates muscle stem cell differentiation And A method for producing a popultion of cells enriched for muscle stem cells relative to a reference population		a muscle stem cell			
US6337198	Rutgers, The State University			A biodegradable and biocompatible porous scaffold characterized by a substantially continuous polymer phase having a highly interconnected bimodal distribution of open pore sizes			stem cells			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6339150	Duke University	yes		A mutant rex gene coding for a protein which transdominantly represses the phenotypic expression of the wild-type rex gene of HTLV-1 or HTLV-2 and/or the wild-type rev gene of HIV-1 And An isolated human hematopoietic stem cell		A method of inhibiting HIV-1 replication in an isolated human cell or its progeny	hematopoietic stem cell	human		
US6348349	The Babraham Institute			A murine embryonic stem cell, transformed with a foreign gene or gene locus of at least 100 kb			murine embryonic stem cell			
US6348352	Canji, Inc.	yes			A method for purging tumor cells from a population of hematopoietic progenitor cells ex vivo		hematopoietic progenitor cells			
US6348444	Applied Research Systems ARS Holding N.V.		yes		A method for stimulating hematopoiesis and immune reconstitution in human patients following hematopoietic stem cell transplantation		hematopoietic stem cell	human		
US6352971	ZymoGenetics, Inc.	yes	yes	An isolate FGF homolog polypeptide And An antibody that binds to an epitope of a polypeptide molecule And A fusion polypeptide	. A method of stimulating proliferation of myocytes or myocyte progenitors And A method for ex vivo stimulation of myocyte progenitor cells or myocytes comprising culturing heart tissue cells with an amount of an FGF homolog polypeptide And A method of delivering an agent or drug selectively to heart tissue		myocyte progenitors			
US6353150	HSC Research and Development Limited Partnership		yes	A chimeric mouse comprising a stable bone marrow graft of human hematopoietic cells		A process for engrafting human hematopoietic cells into an immunodeficient mouse	hematopoietic cells	human		
US6355239	Osiris Therapeutics, Inc.		yes		A method for treating a human subject for promoting connective tissue growth		allogeneic mesenchymal stem cells	human		
US6355412	The European Molecular Biology Laboratory	yes			A method for introducing a double-stranded target DNA into a vector And A method for making a cell containing a recombinant DNA molecule		embryonic stem cell			

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US6359194	Millennium Pharmaceuticals, Inc.|Brigham & Women's Hospital		yes	. A homozygous transgenic mouse		A method of producing a homozygous transgenic mouse	embryonic stem cell	mouse		
US6361946	Licentia Ltd|Ludwig Institute for Cancer Research		yes		A method for modulating myelopoiesis in a mammalian subject And A method of modulating the proliferation of mammalian endothelial cells And A method of modulating the proliferation of neutrophilic granulocytes		progenitor cells	mammalian		
US6361996	University of Utah Research Foundation			An isolated, pure, homogeneous population of neuroepithelial stem cells derived from the neural tube from a rat embryo And An isolated, pure, homogeneous population of glial-restricted precursor cells derived from a neural tube from a rat embryo			neuroepithelial stem cells	rat		
US6361997	HUSS RALF			Genetically modified CD34-negative adherently growing stem cells			stem cells			
US6365149	Ethicon, Inc.	yes				A method for the repair or regeneration of tissue	stem cells			
US6365404	O'DONNELL, JR. FRANCIS E.		yes			A method of reducing viral replication in a HIV infected patient comprising the administration of a modified T-lymphocyte target And A method of preparing host cells that are devoid of infrastructure required for viral replication	stem cell			

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US6365796	Beth Israel Deaconess Medical Center		yes	A transgenic mouse		A method of producing a transgenic mouse And A method of identifying an agent which exhibits UCP2 activity	embryonic stem cell	mouse		
US6368636	Osiris Therapeutics, Inc.	yes	yes				mesenchymal stem cells		A process for treating a transplant recipient to reduce in said recipient an immune response of effector cells against an alloantigen to the effector cells	
US6368790	University of Tennessee Research Corporation			An isolated DNA molecule And An isolated antisense oligonucleotide			murine 3T3T stem cells			
US6368854	NeuroSpheres Holdings Ltd.	yes			A method of inducing the differentiation of a multipotent neural stem cell culture into neurons		neural stem cell			
US6372210 A method for repopulating human host bone marrow	Quality Biological, Inc.		yes		A method for repopulating human host bone marrow		cord blood or mobilized peripheral blood cells containing CD34+ cells	human		
US6372796	Cold Spring Harbor Laboratory	yes			A method of increasing in a mammal a population of hematopoietic stem cells which are capable of undergoing normal hematopoiesis, differentiation and maturation in hematopoietic tissue And A method of increasing a population of progenitor blood cells And A method of producing a subpopulation of hematopoietic cells in hematopoietic tissue		hematopoietic stem cells	mammalian		
US6376742	ZDRAHALA RICHARD J.|ZDRAHALA IVANKA J.		yes			A method for in vivo tissue engineering	stem cells			
US6379953	Osiris Therapeutics, Inc.			A composition			mesenchymal stem cell			
US6379961	The Trustees of Columbia University in the City of New York	yes			A method for stimulating neural crest cell differentiation in vitro		neural plate progenitor cell			

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US6380458 transgenic zebrafish	Medical College of Georgia Research Institute, Inc.	yes		A transgenic zebrafish that expresses a heterologous expression product		A method of making transgenic zebrafish	erythroid progenitor cells	zebrafish		
US6383480	Meiji Milk Products, Co., Ltd.		yes	A composition for promoting maintenance, proliferation, or differentiation of hematopoietic stem cells or hematopoietic progenitor cells			hematopoietic stem cells or hematopoietic progenitor cells	human	A method of treatment	
US6383481	Japan Immunoresearch Laboratories Co., Ltd.		yes			A method of transplanting hemopoietic stem cells in a recipient afflicted with an autoimmune disease	hemopoietic stem cells			
US6384298	Genpharm International		yes	A transgenic mouse having a genome comprising a transgene comprising a DNA sequence encoding a T cell receptor (TCR) .beta. variant in operable linkage with a promoter sequence And A transgene comprising a DNA sequence expressible in a transgenic mouse		A method for producing a transgenic mouse	stem cell	mouse		
US6387367 Broad claims 1 and 22	Osiris Therapeutics, Inc.	yes		An isolated population of human mesenchymal stem cells And Isolated CD45+ human mesenchymal stem cells transfected with exogenous genetic material encoding a protein to be expressed	A process of isolating a population of human mesenchymal stem cells which are CD45+		mesenchymal stem cells	human		

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US6387369	Osiris Therapeutics, Inc.		yes			A process for producing cardiac muscle cells in the heart of an individual in need thereof and A process for reducing scar formation in infarcted heart tissue	allogenic mesenchymal stem cells			
US6392118	Neurotech S.A.	yes		An isolated cell transformed with a recombinant DNA molecule And A transgenic mouse, whose genome comprises a recombinant DNA molecule	A method of generating a conditionally immortalized cell		neural stem cell.			
US6392122 (transgenic plant)	Agritope, Inc.	yes		An isolated nucleic acid sequence And An isolated promoter, which in native plants is located upstream of and controls the expression of a gene encoding an enzyme involved in thiamine biosynthesis		A method for producing a transgenic plant	progenitor cells	plant		
US6395487	Baylor College of Medicine	yes			A method for deleting, duplicating or inverting a selected region of genetic material in cells and A method for creating a defined chromosomal inversion		embryonic stem cells			
US6395546	NeuroGeneration, Inc.	yes			A method of generating dopaminergic neuronal cells		stem cells	mammalian central nervous system tissue		
US6395745	GlycoDesign, Inc.		yes	A stable crystalline chloride or bromide salt of swainsonine	A method for stimulating hematopoietic progenitor cell growth		hematopoietic progenitor cell			
US6399369	Neurospheres Holdings Ltd.	yes		A cDNA library	A method of obtaining cDNA library		multipotent neural stem cells	mammalian neural tissue		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6399384	Reneuron Limited|Ludwig Institute for Cancer Research	yes		A mammalian cell And A recombinant polynucleotide that encodes the catalytic sub-unit of the telomerase complex and a conditionally-inducible oncogene	A method for immortalising a mammalian cell		stem cell	human		
US6409764"	WHITE CHARLES F.|FLYNN CHARLES|COOK ALONZO D.|HARDWICK WILLIAM R.|WIKESJO ULF M. E.|THOMSON ROBERT C.	yes		A kit for generating living bone or periodontal tissue having desired configuration in a mammal		A method of generating living bone having desired configuration in a mammal and A method of generating living periodontal tissue having desired configuration in a mammal	undifferentiated stem cells	mammal		a tissue penetrable device comprising portions having a plurality of holes therethrough, wherein said holes permit cells and vascular structures to grow through said tissue penetrable device, said tissue penetrable device having mechanical properties that allow the device to be configured into a desired form and retained substantially in said desired form
US6410015	University of Southern California		yes			A method for providing a non-human mammal with a therapeutic protein	bone marrow-derived stem cells	a non-human mammal		
US6410320	The University of Michigan			An isolated and purified population of renal stem cells			stem cells	renal		
US6410825	Temple University-Of The Commonwealth System of Higher Education			A transgenic mouse And A mouse embryonic stem cell			embryonic stem cell	mouse		
US6412492	The General Hospital Corporation		yes			A method of promoting tolerance in a recipient mammal of a first species to a graft obtained from a donor mammal of a second species	hematopoietic stem cells	mammal		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6413509	BAUER S. CHRISTOPHER|ABRAMS MARK ALLEN|BRAFORD-GOLDBERG SARAH RUTH|CAPARON MAIRE HELENA|EASTON ALAN MICHAEL|KLEIN BARBARA KURE|MCKEARN JOHN P.|OL NS PETER O.|PA K KUMNAN|THOMAS JOHN	yes	yes		A method for ex vivo expansion of stem cells And A method of enhancing the efficiency of the transduction of cultured stem cells by a heterologous gene		stem cells	human	A method for treatment of a patient having a hematopoietic disorder	
US6414219	Rutgers, The State University of New Jersey			A transgenic mouse		embryonic stem cell	mouse			
US6419918	Sloan-Kettering Institute for Cancer Research	yes		A preparation of isolated and purified human pluripotent colony stimulating factor having the ability to induce the acquisition of increased receptors for chemotactic peptide and increased glycoconjugate synthesis	A method for inducing differentiation of human leukemic cells which comprises contacting human leukemic cells with a therapeutically active dose of purified human pluripotent colony stimulating factor		hematopoietic progenitor cells	human		
US6423311	The United States of America as represented by the Department of Health and Human Services		yes			A method of engrafting donor mammalian hematopoietic pluripotent cells in a mammalian recipient using a non-myeloablative amount of radiation	hematopoietic pluripotent cells	mammalian		
US6423516	Evotec BioSystems AG		yes			A method of destabilizing viral quasi-species	erythropoietic stem cells		A method of treating viral infections	
US6423681	The Trustees of Columbia University in the City of New York		yes				stem cells		A method of treating a subject with diminished kidney function	
US6432711	Diacrin, Inc.	yes			A process for producing neuronal or muscle cells selectively from embryonic stem cells		embryonic stem cells			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6432917	Pro-Neuron, Inc.	yes			A method of inhibiting stem cell proliferation And A method of stimulating the growth of B cells And A method for treating cancer in a mammal And A method of inhibiting stem cell division in a mammal exposed to an agent which damages or destroys stem cells undergoing division And A method of maintaining mammalian hematopoietic stem cells ex vivo And A method of treating a myeloproliferative or autoimmune disease or epithelial stem cell hyperproliferation in a mammal suffering therefrom And A method of vaccinating a mammal A method of treating a mammal having immunodepression caused by stem cell hyperptoliferation And A method for differentially protecting normal stem cells and not cancer cells in a mammal from chemotherapy or radiation		Bone marrow stem cell	mammal	treating cancer in a mammal and treating a myeloproliferative or autoimmune disease or epithelial stem cell hyperproliferation in a mammal and vaccinating a mammal	
US6436387	G D. Searle & Co.	yes			A method for ex vivo expansion of stem cells					
US6436389"	The Salk Institute for Biological Studies	yes			A method of inducing proliferation of a mamnialian neuronal progenitor cell		neuronal progenitor cell	mammalian		
US6436701	Babraham Institute	yes			A method of selecting and growing pluripotential embryonic stem cells isolated from an ungulate species blastocysts of embryos that develop by way of an embryonic disc		pluripotential embryonic stem cells	ungulate species		
US6436704 Broad claims	Raven Biotechnologies, Inc.			A substantially pure population of human pancreatic progenitor cells			pancreatic progenitor cells	human		
US6437216	Interleukin Genetics Inc.		yes	A transgenic mouse And A cell or cell line from a transgenic mouse And An L-1 receptor antagonist knock-out construct		A method of producing a mouse A method of testing an agent for effectiveness against an inflammatory and/or cardiovascular condition	embryonic stem cell	mouse		
US6440407	Searle; G. D.	yes			A method for ex vivo expansion of stem cells		stem cells	human		
US6440444"	Osteotech, Inc.						mesenchymal stem cells			An intervertebral implant And A spinal implant And A bone plate And A bone screw And A femoral implant And An acetablular cup implant And A diaphyseal implant And' An intercalary implant

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US6440734	Cytomatrix, LLC	yes			A method for in vitro culture of hematopoietic progenitor cells And A method for transducing exogenous genetic material into cell of hematopoietic origin		hematopoietic progenitor cells			An apparatus for culturing cells
US6443941 Broad claims	Endoluminal Therapeutics, Inc.		yes	A kit for paving or sealing an interior surface of a hallow organ or a tissue		A process comprising: introducing into a lumen within an diseased organ a fluent polymeric article containing living cells And A method of forming a layer of polymeric material on a tissue surface internally of a mammal And A method for applying to a surface of mammalian tissue a polymeric, non-fluent material	progenitor cells	mammalian		
US6444436	RIMM DAVID L.|FIEDLER PAUL|LEV NE ROBERT A.|WARDLAW STEPHEN C.	yes				A method for detecting the presence or absence of circulating target nucleated cancer and/or hematologic progenitor cells in an anticoagulated whole blood sample	hematologic progenitor cells	blood		
US6444870	President and Fellows of Harvard College		yes	A Transgenic mouse		A method of identifying an agent that reduces the phosphorylation of tau protein in the nervous system of a mammal And A method of making a transgenic mouse				

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US6444871	Brigham and Women's Hospital		yes	A transgenic mouse		A method for recombinantly producing a polypeptide in a mouse cell that makes the tet repressor protein	embryonic stem cell	mouse		
US6447765	University of Southern California		yes		A method for treating donor cells to ameliorate graft versus host disease in a recipient patient		stem cells			
US6448075	StemCell Technologies Inc.				A negative selection method for enriching and recovering desired cells in a sample containing the desired cells, erythrocytes and undesired cells		hematopoietic progenitor cells			
US6455043	DEC Pharmaceuticals Corporation	yes			A method for reducing residual CD20+ tumor cells in bone marrow or stem cell tissue after myeloablative therapy in a subject in need of such treatment		stem cell tissue			
US6455306	Transcyte, Inc.	yes				A process for producing a transfusable, oxygenating composition of red blood cells And A method for producing a transfusable, oxygenating composition of red blood cells	hematopoietic cells and progenitor cells			
US6455756	Novartis AG	yes		A mouse host lacking functional syngeneic B-cells and T-cells due to a genetic defect that results in an inability to undergo germline DNA rearrangement at the loci encoding immunoglobulins and T-cell antigen receptors		A method for producing a chimeric mouse capable of long term production And A method for determining the repertoire of lineages that are able to develop from a particular human hematopoietic progenitor cell type	hematopoietic progenitor cell type	human		
US6458588	The General Hospital Corporation	yes		A composition comprising isolated renal cells	A method for isolating renal stem cells		renal stem cells			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6461645 Cord blood storage patent	PharmaStem Therapeutics, Inc.			A cryopreserved pharmaceutical composition			neonatal or fetal hematopoietic stem cells	human		
US6461818	Baylor College of Medicine		yes		A method for deleting a selected region of genetic material in mice And A method for creating inversions of a selected region of genetic material in mice		embryonic stem cells	mouse		
US6461864	Fred Hutchinson Cancer Research Center		yes	A general targeting construct		A method for making a genetically engineered non-human animal	embryonic stem cell	Non-human		
US6461869	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College	yes			A method for purging leukemia cells from an in vitro or ex vivo cell mixture comprising leukemia cells and hematopoietic stem cells		hematopoietic stem cells			
US6464983	University of South Florida|University of Miami	yes			A method of inducing differentiation of mesenchymal stem cells And A method of inducing differentiation of mesenchymal stem cells into chondrocytes And A method of inducing differentiation of mesenchymal stem cells into osteoblasts		mesenchymal stem cells			
US6465247	The Board of Trustees of the Leland Stanford Junior University	yes		A substantially pure composition of mammalian myeloid progenitor cells	A method of enrichment for a composition of mammalian myeloid progenitor cells		myeloid progenitor cells	mammalian		
US6465248	Prescient NeuroPharma, Inc.	yes		A neuronal cell aggregate preparation	A method for producing aggregates of neuronal cell preparation		neural progenitor cells			
US6465249	The Board of Trustees of the Leland Stanford Junior University	yes			A method for in vitro self-renewal of mammalian stem cells		stem cells	mammalian		
US6468314	DePuy Orthopaedics, Inc.	yes					cartilage-progenitor cells			A bio-absorbable cartilage repair system

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US6468530	Immunomedics, Inc.		yes				stem cell growth factor		A method for treating a mammal having either a multidrug resistant tumor that expresses a tumor associated antigen or a multidrug resistant disease caused by an infectious agent	
US6468794	StemCells, Inc.	yes			A method for producing a population enriched for human central nervous system stem cells (CNS-SC) which can initiate neurospheres (NS-IC) And A method for isolating a neurosphere initiating stem cell (NS-IC)		neurosphere initiating stem cell			
US6472204	ASADA KIYOZO|UEMORI TAKASHI|UENO TAKASHI|KOYAMA NOBUTO|HASINO KIMAKAZU|KATO IKUNOSHIN	yes			An ex vivo method for increasing the efficiency of retroviral mediated gene transfer into viable target cells		hematopoietic stem cells			
US6472208	Hema-Quebec|Canadian Blood Services	yes			A process for producing ex vivo natural interferon alpha. (nIFN-.alpha.)		hematopoietic stem cells			
US6472212	Introgene B.V.	yes			A method for preparing genetically modified primate hematopoietic stem cells		hematopoietic stem cells	primate		
US6475481	Canji, Inc.	yes		A mixture comprising approximately 2.times.10.sup.7 to 3.times.10.sup.8 nucleated cells/ml (NC/ml) from a hematopoietic stem cell product (SCP)	A method of purging tumor cells from a hematopoietic stem cell product And A method of treating an individual having a disease which is treated by myeloablative therapy and stem cell rescue using a purged product		hematopoietic stem cell			
US6475789	University Technology Corporation|Geron Corporation			A mammalian cell that contains a recombinant polynucleotide comprising a nucleic acid sequence		stem cell	human			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6475988	University of Southern California		yes	A pharmaceutical composition		A method for increasing white blood cell survival following chemotherapy	hematopoietic progenitor cells from bone marrow			
US6476001	Vanderbilt University		yes			neural progenitor cells				treating a patient with a neutral injury
US6479261	Pharmacia Corporation	yes			A method for selective ex-vivo expansion of stem cells		stem cells			
US6482231"	ABATANGELO GIOVANNI|CALLEGARO LANFRANCO|YOUNG RANDELL G|MURPHY JOSEPHINE MARY|FINK DAV D JORDAN|BRUDER SCOTT PHILIP|BARRY FRANCIS PETER|KADIYALA SUDHAKAR|CAPLAN ARNOLD I|MOSKOWITZ ROLAND|YOO JUNG U|SOLCHAGA LUIS A			A biological material for the repair of connective tissue defects			mesenchymal stem cells			
US6482926	StemCell Technologies Inc.			An antibody composition for enriching for human hematopoietic progenitor and stem cells And A kit useful in preparing a cell preparation enriched in hematopoietic stem cells and progenitor cells			hematopoietic progenitor and stem cells	human		
US6485480	BREWITT BARBARA A.		yes			A method for reducing nonspecific inflammatory states in a patient And A method for reducing erythrocyte sedimentation rates in a patient	stem cell factor (SCF)			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6485722	Regents of the University of Minnesota		yes		A method in which transgenic hematopoietic stem cells having a selective advantage over nontransgenic hematopoietic cells for engraftment are maintained in the mammal in the absence of selection And A method for conferring a selective advantage for engraftment to a transgenic hematopoietic stem cell relative to a nontrasgenic hematopoietic cell in a mammal transplanted with transgenic hematopoietic and nontangenic hematopietic cells		transgenic hematopoietic stem cells	mammal		
US6485963	The United States of America as represented by the Administrator of the National Aeronautics and Space Administration						neuronal progenitor cells	human		A system for growing three-dimensional biological cells
US6485971	Peter MacCallum Cancer Institute	yes		A purified KSC population having a purity of greater man 50%	A method of enriching for a viable subpopulation of epidermal cells having an altered proliferative potential compared with an unfractionated population of epidermal cells		keratinocyte stem cells (KSC)			
US6488032	ORTON KEVIN R.		yes				stem cells		medical treatment of the body of a recipient	
US6489293	Beth Israel Deaconess Medical Center		yes		A method of decreasing growth and differentiation of red blood cell progenitor cells in an individual		red blood cell progenitor cells	human		
US6491908	The United States of America as represented by the Secretary of the Department of Health and Human Services	yes		A recombinant nucleic acid molecule encoding a fusion protein And An expression vector comprising a nucleic acid molecule encoding a fusion protein and A transfected cell		A method of delaying T cell mediated rejection of tissue, cell graft or organ transplant in a recipient of the graft or transplant	hematopoietic stem cell			
US6492575	Boehringer Ingelheim International GmbH		yes			A method for producing a transgenic mouse with a desired genotype	embryonic stem cells	mouse		
US6495129	Human Genome Sciences, Inc.		yes			A method for inhibiting bone marrow stem cells	bone marrow stem cells	human		
US6495365	Fujisawa Pharmaceutical Co., Ltd.				A method of proliferating hematopoietic stem cells		hematopoietic stem cells			

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US6497872	NeuroSpheres Holdings Ltd.		yes			A method of transplanting multipotent neural stem cell progeny to a host	neural stem cell	mammalian		
US6497875	Case Western Reserve University			A multilayer skin equivalent			mesenchymal stem cells	human		
US6497876	Immunex Corp.		yes			A method of stimulating an immune response in an individual	hematopoietic stem or progenitor cells	human		
US6498018	Cytotherapeutics, Inc.	yes			A method for determining the effect of a biological agent		multipotent CNS neural stem cells	human		
US6498034	Novartis AG	yes				A method for preparing CD1a-positive and Lag reactive dendritic cells (DC) from human progenitor cells	hematopoietic progenitor cells	human		
US6500421	St. Jude Children's Research Hospital		yes		A method of in vivo selection for genetically modified hematopoietic progenitor cells from nonmodified hematopoietic cells in a subject		hematopoietic progenitor cells	human		
US6500668	SAMARUT JACQUES|PAIN BERTRAND	yes		A culture medium for avian embryonic cells	A method of culturing avian embryonic cells		embryonic cells	avian		
US6504079	Stryker Corporation		yes		A method of inducing endochondral bone formation or articular cartilage formation in a mammal		migratory progenitor cells	mammal		A terminally sterilized osteogenic device
US6506574	Geron Corporation	yes				A method of screening a compound for its effect on hepatocytes or a hepatocyte activity	embryonic stem cells	human		
US6509147	Teraklin Aktiengessellschaft	yes				A method for increasing and/or decreasing the concentrations of immunomodulatory effective substances in blood plasma	haematopoietic stem cells			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6514513	The General Hospital Corporation		yes			A method of promoting acceptance, by a recipient mammal, of a graft from a donor mammal of a second species	hematopoietic stem cells	mammal		
US6515197	Cedars-Sinai Medical Center			A transgenic mouse And A DNA construct			embryonic stem cell	mouse		
US6515199	North Carolina State University	yes				A method of altering the phenotype of a bird	somatic tissue-specific stem cells	avian		
US6517835	The Johns Hopkins University		yes		A method for increasing the muscle mass in an animal And A method for inhibiting the growth regulating actions of growth differentiation factor-11 (GDF-11) on fetal or adult muscle cells or progenitor cells		progenitor cells	animal		
US6517872	Yeda Research and Development Co., Ltd.|Ramdt University Authority for Applied Research and Industrial Development Ltd.			A culture comprising skeletal progenitor cells And Skeletal progenitor cells And A pharmaceutical composition for the repair of bone and cartilage			skeletal progenitor cells			
US6521747	Genaissance Pharmaceuticals, Inc.			An isolated polynucleotide			embryonic stem cell	mammalian		
US6524625	Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyuto			A physiologically active extract			stem cells of the digestive tract			
US6524851	HSC Research and Development Limited Partnership			A hybrid nucleic acid molecule that when integrated into the genome at single gene copy produces an RNA encoding a polypeptide in a targeted mammalian cell of the erythroid lineage			a hematopoietic stem cell			
US6528245	University of South Florida	yes			A method for producing cells with a neuronal phenotype from bone marrow cells		hematopoietic stem cells			

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6528306 genetically modified human neural stem cell	The Children's of Medical Center Corporation|The University of British Columbia|The University of Pennsylvania			The living progeny cells of a genetically modified human neural stem cell			neural stem cell	human		
US6530956	MANSMANN KEV N A						mesenchymal stem cells			A surgically implantable device for repairing a segment of damaged cartilage in a mammalian joint
US6534052	XIAO YONG-FU|MORGAN JAMES P.		yes			A method for improving cardiac function in a mammal after a myocardial infarct	embryonic stem cells	mammalian		
US6534084	Ethicon, Inc.	yes				A method for the repair or regeneration of tissue comprising	stem cells			
US6534310	Regents of the University of California	yes		A recombinant construct		A method of inhibiting a multimeric protease And A method of inhibiting HIV replication in a mammalian cell	hematopoietic stem cell	human		
US6537807	Duke University			A population of CD34 sup.-CD7.sup.+ Lin sup.-Lin.sup.- hemaotopoietic progenitors			hemaotopoietic progenitors			
US6541024	Osiris Therapeutics, Inc.		yes	A composition for augmenting bone formation		A method of augmenting bone formation in an individual in need thereof	mesenchymal stem cells	human		
US6541247	Neuronova AB		yes	A preparation of isolated ependymal neural CNS stem cells	A method of isolating ependymal neural CNS stem cells from a post-natal animal And A method of expanding ependymal neural CNS stem cells from a post-natal animal		ependymal neural CNS stem cells	post-natal animal		
US6541251	The Scripps Research Institute	yes			A method for identifying mammalian pancreatic progenitor cells		Embryonic cells	mammalian		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6541255	The Children's Medical Center Corporation|The University of British Columbia|The University of Pennsylvania			A clone of genetically modified human neural stem cells stably maintained in-vitro as an individual and distinct cell line suitable for on-demand implantation in-vivo into a living host subject			neural stem cells	human		
US6541457	Aegera Therapeutics Inc.	yes				A method of inhibiting apoptosis in a mammalian cell	embryonic stem cells	mammal		
US6544290	Etex Corporation			A cell-scaffold composition prepared in vitro for use as a biocompatible implant			mesenchymal stem cells			
US6544506	Yeda Research & Development Co. Ltd.		yes			A method of preventing or decreasing cell mediated graft versus host disease (GVHD) and graft rejection of a transplant derived from an allogeneic donor in a recipient of the transplant	stem cells	allogeneic donor	A method of treating a recipient suffering from a disease requiring immature hematopoietic cell transplantation	
US6544751	Pall Corporation	yes			A method of harvesting rare cells from a blood product And A method of harvesting rare cells comprising stem cells from a blood product		stem cells from a blood product			
US6544787	Hadash Medical Research Services and Development Ltd.|Baxter International Inc.		yes			A method of inducing patient anti-donor unresponsiveness in a patient undergoing stem cell transplantation by subjecting the patient to a non-myeloablative/lymphoablative (-/L) conditioning regimen	allogeneic stem cells	human		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6544957	The Johns Hopkins University	yes		A pharmaceutical composition		A method of increasing production of a polypeptide And A method of increasing production of a therapeutic polypeptide in a diseased cell	stem cell			
US6547803	The Regents of the University of California						stem cell			An actuator for an interventional surgical procedure And A microfabricated surgical device for an interventional surgical procedure
US6547826 Broad claim1	Maulana Azad Medical College		yes		An in vivo and in situ method of organogenesis of tissues or organs developed from an embryonal endodermal germ layer		stem cells			
US6548299	PYKETT MARK J.|ROSENZWEIG MICHAEL|SCADDEN DAVID T.|POZNANSKY MARK C.	yes			A method for in vitro production of lymphoid tissue-specific cells		hematopoietic progenitor cells			
US6548301	Heinrich-Pette-Institut	yes		A retroviral vector which contains a nucleotide sequence N of the general formula	A method of transfection of haematopoietic stem cells		haematopoietic stem cells			
US6548734	President and Fellows of Harvard College	yes				A method of identifying a compound that modulates cartilage growth or differentiation	mesenchymal stem cells			
US6551995	Stryker Corporation						progenitor cells	mammalian		An osteogenic device for implantation in a mammal
US6555107	The Regents of the University of California	yes		A packageable nucleic acid comprising a FIV packaging site and a FIV 5' LTR	A method for transfecting a cell with a packageable nucleic acid or transducing a cell with a viral particle		hemopoietic stem cell,	human		
US6555118	NIAZI SARFARAZ K			A composition for topical medicinal application to a body surface to treat surface wounds in humans and animals free of poppy capsule		stem cells				
US6555318	National Jewish Medical and Research Center	yes			A method to identify at least one nucleic acid sequence associated with differentiation from embryonic stem cells		embryonic stem cells			

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US6555324	Becton Dickinson & Company	yes			A method for identifying one or more populations of human progenitor cells And A method for isolating one or more populations of human progenitor cells		progenitor cells	human		
US6555374	Artecel Sciences, Inc.			A non-naturally-occurring mixture of cells comprising an isolated extramedullary adipose tissue-derived stromal cell and a non-adipose derived cell capable of forming a blood cell And A mixture of cells comprising an isolated extramedullary adipose tissue-derived stromal cell and a non-adipose derived cell capable of forming a blood cell			hematopoietic stem cell and a hematopoietic progenitor cell			
US6558662	The General Hospital Corporation		yes				hematopoietic stem cells	human	treating a human patient having neoplastic hematopoietic disorder	
US6558663	The General Hospital Corporation		yes			A method of inducing a least partial NK mediated immunologic tolerance in a recipient human to a graft obtained from a donor swine	hematopoietic stem cell	swine		
US6559130 treating prophylactically for cancer	Johns Hopkins University School of Medicine	yes					stem cells of the ductal epithelium		treating the ductal epithelium of a mammary gland prophylactically for cancer	

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US6562619	The Johns Hopkins University School of Medicine	yes			A method of producing a cell population comprising differentiating in culture human embryonic germ (hEG) cells And A method of producing a population of restricted developmental lineage cells And A method for producing human pluripotent embryonic germ (hEG) cells		hematopoietic progenitor cells	human		
US6563023 progenitor cells of the plant	Agrinomics, LLC	yes		An isolated polynucleotide		A method of producing a curled leaf phenotype in a plant	progenitor cells	plant		
US6565843	Curis, Inc.			A composition comprising a proliferative progenitor cell of a conditionally renewing or permanently renewing cell population, and OP-1 polypeptide And A composition comprising a proliferative liver tissue and OP-1 polypeptide			progenitor cell			
US6566335	University of Southern California		yes		A method for mobilizing hematopoietic progenitor cells from bone marrow into peripheral blood		hematopoietic progenitor cells from bone marrow			
US6566579	Institut Pasteur|Institut Curie|Centre Nationale de la Recherche Scientifique		yes	A mouse embryonic stem cell And A transgenic mouse		A method of introducing a DNA sequence into a mouse embryonic stem cell And A method of screening for a villin gene or cDNA sequence hybrid And A method of in ovo gene replacement	embryonic stem cell	mouse		
US6569421	Reneuron Limited		yes				neuroepithelial stem cells	mammalian	A method for treating a cognitive deficit in a mammal caused by brain damage	

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US6569427 Cord blood patent	PharmaStem Therapeutics, Inc.		yes			A method for treating a human patient in need of hematopoietic reconstitution And A method for storing human neonatal or fetal hematopoietic stem cells derived from the blood	fetal hematopoietic stem cells derived from the umbilical cord blood or placental blood	human		
US6569654	Massachusetts Institute of Technology	yes		A system for stimulating one or more biological activities of cells And A two-dimensional stimulant of one or more biological activities		A method for stimulating one or more biological activities within mesenchymal stem cells And A tissue engineering method	mesenchymal stem cells			
US6570061	RAJEWSKY KLAUS|ZOU YONG-RUI		yes	A transgenic mouse, or progeny thereof		A method of producing a transgenic mouse having a genome comprising a targeted, functional replacement of a mouse immunoglobulin constant region gene segment with a human immunoglobulin constant region gene segment And A method for producing humanized antibodies in response to an antigen	embryonic stem cell	mouse		
US6576015	Ed. Geistlich Soehne AG fuer Chemische Industrie			A particulate bone mineral product for repair of combined cartilage defects and bone defects			mesenchymal stem cells			
US6576433	National Jewish Medical & Research Center	yes			A method to detect at least one protein associated with differentiation from embryonic cells		embryonic stem cell			

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US6576464	Geron Corporation	yes		An isolated primate pluripotent stem (pPS) cell containing a nucleic acid molecule	A method of producing a population of differentiated cells And A method of depleting a cell population of undifferentiated stem cells		pluripotent stem (pPS) cell	primate		
US6586192	Thomas Jefferson University|Instituto Superiore di Sanita	yes			A method of obtaning a cell population enriched for long-term repopulating human hematopoietic stem cells And A method of expanding long-term repopulating human HSCs And A method of isolating a stem cell capable of giving rise to at least one of a muscle cell		hematopoietic stem cells	human		
US6586243	CEZAY RLI CEM|SILVERS MEL	yes				A method for producing a disease-specific immunogenic cell composition	stem cells			
US6586251	Regeneron Pharmaceuticals, Inc.	yes			A method for genetically modifying an endogenous gene or chromosomal locus of interest in isolated eukaryotic cells		embryonic stem cells	mouse		
US6586388	Stryker Corporation	yes		A biocompatible, biodegradable matrix		A method of inducing local endochondral bone or cartilage formation at a locus in a mammal And A method of producing a secreted, recombinantly produced osteogenic protein	progenitor cell	mammalian		
US6589525	Societe Anonyme Natural Implant	yes				A method of manufacturing a dental implant	mesenchymal stem cells			A cell culturing apparatus for preparing a dental implant
US6589728	California Institute Of Technology	yes				A method for screening for a compound which promotes survival of a stem cell or progenitor cell	skeletal muscle stem cells or skeletal muscle progenitor cells			
US6589786	MANGANO JOSEPH A|EPPICH HENRY M			A suspension of cells obtained by practicing a method			stem cells			

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US6593307	Regents of the University of Minnesota		yes	A compound of formula I	A method to promote the proliferation of a hemopoietic progenitor cell And A method to mobilize intracellular calcium in a cell And A method to antagonize cADPR induced calcium release in a cell And A method to promote the proliferation of a lymphocyte And A method to enhance the immune system of a mammal		hemopoietic progenitor cell			
US6593372	Cold Spring Harbor Laboratory		yes			A method of increasing in a mammal a population of hematopoietic stem cells which are capable of undergoing normal hematopoiesis, differentiation and maturation in hematopoietic tissue	hematopoietic stem cells	mammalian	treating a mammal to increase a population of hematopoietic stem cells	
US6596274	Fidia Advanced Biopolymers S.r.l.			A biological material			bone marrow stem cells			
US6596541	Regeneron Pharmaceuticals, Inc.	yes				A method of replacing, in whole or in part, in an isolated non-human eukaryotic cell, an endogenous immunoglobulin variable region gene locus with an homologous or orthologous human immunoglobulin variable gene locus	embryonic stem cells	mouse		
US6596688	University of Maryland Biotechnology Institute	yes	yes			A method of promoting hematopoiesis	genetically modified hematopoietic stem cells.			

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US6596690	The United States of America as represented by the Department of Health and Human Services		yes			A method of protecting a bone marrow cell in a subject treated with a chemotherapeutic agent or radiation from a toxicity caused by chemotherapy or irradiation	hematopoietic stem cell from bone marrow			
US6602241	TransVascular, Inc.	yes				A method for delivering a substance or apparatus to an extraluminal target site within the body of a human or veterinary patient				A system for delivering substances or apparatus to an extraluminal target site within the body of a human or veterinary patient
US6602711	Wisconsin Alumni Research Foundation	yes				A method for producing primate embryoid bodies from colonies of primate embryonic stem cells that are adhering to a substrate	embryonic stem cells	primate		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6603058	Oklahoma Medical Research Foundation		yes	A genetically modified mouse useful for studying peripheral and central pathways of energy homeostasis		A method for studying the molecular and biochemical events associated with obesity And A method to identify compounds useful in regulating peripheral and central pathways of energy homeostasis And A method of producing a genetically modified mouse useful for studying peripheral and central pathways of energy homeostasis	embryonic stem cell	mouse		
US6603059 Cloning patent	Infigen, Inc.		yes			A method for preparing an ungulate animal And A method for reconstructing an ungulate embryo	stem cell factor			
US6605275 Cord blood patent	PharmaStem Therapeutics, Inc.	yes	yes				neonatal or fetal hematopoietic stem cells derived from the umbilical cord blood or placental blood	human	treating a human patient in need of hematopoietic reconstitution	
US6607720	XIAO YONG-FU|MORGAN JAMES P.		yes			A method for improving cardiac function in a mammal after a myocardial infarct	embryonic stem cells	mammalian		

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US6610508	Anadys Pharmaceuticals, Inc.	yes		A kit comprising in one or more containers (a) a nucleic acid encoding a fusion protein comprising an eIF4G-like protein or translationally active derivative thereof fused to a second, different protein; (b) a nucleic acid encoding a fusion protein comprising an RNA-binding protein fused to a third, different protein; and (c) a nucleic acid encoding an RNA, said RNA comprising a coding region with one or more heterologous protein-binding sites in a non-coding region 5' and adjacent to the coding region, wherein the RNA-binding protein binds to the heterologous protein binding site And A nucleic acid		A method of producing a protein	stem or progenitor cell			
US6610535	ES Cell International Pte Ltd.	yes			A method for obtaining differentiated pancreatic cell types		progenitor cells			
US6610538	Provincia Italiana Della Congregazione Dei Figli Dell' Immacolata Concezione - Istituto Dermopatico Dell' Immacolata	yes				A method of producing laminae of human epithelium corneae in vitro	limbar stem cells	human		

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US6610905	Schering Corporation		yes	A transgenic mouse And A transgenic mouse embryo whose somatic and germ cells comprise a transgene comprising a human CD2 promoter operably linked to a nucleotide sequence encoding a polypeptide encoded by HHV8 ORF 74		A method for producing a transgenic mouse And A method for screening for an agent which ameliorates Kaposi's sarcoma-like symptoms	embryonic stem cells	mouse		
US6613565	ImClone Systems Incorporated|Trustees of Princeton University	yes			A method for inhibiting the differentiation of hematopoietic stem cells And A method for enriching a population of stem cells in a mixture of stem cells and non-stem cells		hematopoietic stem cells			
US6613568	Wisconsin Alumni Research Foundation	yes			A method for obtaining human hematopoietic cells		hematopoietic cells and embryonic stem cells	human		
US6613756	Wisconsin Alumni Research Foundation		yes				oligodendrocyte progenitor cells	human	treating the symptoms of multiple sclerosis in a patient in need thereof	
US6617158	New England Medical Center	yes				A method for stimulating the production of fetal hemoglobin (HbF) producing erythroid cells And A method of increasing the proportion of fetal hemoglobin (HbF) producing erythroid cells	erythroid progenitor			
US6627191	Seattle Biomedical Research Institute			A stem cell composition			stem cell			
US6627442	VIRxSYS Corporation	yes			A method for stable transduction of primary cells of the hematopoietic system and/or hematopoietic stem cells		hematopoietic stem cells			

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US6630349	Mount Sinai Hospital	yes		An isolated preparation of mouse trophoblast stem cells which (i) are capable of indefinite proliferation in vitro in an undifferentiated state; (ii) are capable of differentiation into cells of the trophoblast lineage in vivo, and (iii) are diploid trophoblast cells		A method for screening for potential therapeutics that modulate trophoblast development or activity	trophoblast stem cells	mouse		
US6632168	Advanced Recording Technologies				A method of treating a target pain or injury area under a user's skin using a magnetic therapeutic device		stem cells			A magnetic therapeutic device for application to a target pain or injury area under a user's skin
US6632620	Makarovskiy; Andrew N.			An isolated antibody that selectively binds to an ectodermally-derived stem cell			ectodermally-derived stem cell			
US6638501	Neurospheres Holdings Ltd.	yes			A method of increasing hematopoietic cells of a mammal		neural stem cell			
US6638763	University of Tennessee Research Foundation	yes			A method for obtaining a purified population of primitive human brain stem cells		brain stem cells	primitive human		
US6639123	Merck & Co., Inc.		yes	A transgenic mouse whose somatic cells and germ cells are homozygous for an altered MC-3R gene which encodes a non-functional MC-3R protein, wherein the mouse exhibits an obesity syndrome at 6 months of age		A method of producing a mouse having somatic and germ cells that are homozygous for an altered MC-3R gene which encodes a non-functional MC-3R protein	embryonic stem cells	mouse		

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US6642048	Geron Corporation	yes		A composition of undifferentiated pluripotent stem cells obtained from a human blastocyst And A conditioned medium for proliferating human blastocyst-derived pluripotent stem cells	A method for proliferating human blastocyst-derived pluripotent stem cells in a substantially undifferentiated form And A method for preparing a conditioned medium for proliferating human blastocyst-derived pluripotent stem cells		blastocyst-derived pluripotent stem cells	human		
US6642049	The United States of America as represented by the Secretary of the Navy	yes		A growth medium for in vitro cell expansion comprising human brain endothelial cells isolated by dissecting segments of blood vessels from the Circle of Willis and a cytokine	A method of expanding human bone marrow CD34+CD38- hematopoietic progenitor cells, including primitive stem cells And A method of amnplifgin/expanding human CD34+CD38- hematopoietic progenitor cells And A method of isolating and culturing human brain endothelial cells		primitive stem cells and hematopoietic progenitor cells	human		
US6642433	Trillium Therapeutics Inc.			A nucleic acid construct			embryonic stem cell	mouse		
US6645487	CEZAY RLI CEM|SILVERS MEL	yes				A method of stimulating a disease-specific immune response	hematopoietic stem cells			
US6645489	Cytomatrix, LLC		yes		A method for in vivo maintenance, expansion and/or differentiation of hematopoietic progenitor cells		hematopoietic progenitor cells			
US6645727	StemCell Technologies Inc.	yes			A negative selection process for enriching and recovering human mesenchymal progenitor cells in a sample containing human mesenchymal progenitor cells		mesenchymal progenitor cells	human		
US6645763	KOBAYASHI NAOYA|LEBOULCH PHIL PPE|TANAKA NORIAKI|FUJIWARA TOSHIYOSHI			An immortalized bone marrow mesenchymal stem cell line			bone marrow mesenchymal stem cell			
US6649189	RxKinetix, Inc.		yes		A method for delivering a hematopoietic growth factor capable of expanding, activating, committing or mobilizing hematopoietic stem cells in a host		hematopoietic stem cells			

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US6650919	Cornell Research Foundation, Inc.	yes			A method for monitoring a physiological or pathophysiological function of a subject And A method of regulating output of a signal, substance, or action in a subject		stem cells	mammalian		An implantable physiological or pathophysiological biosensor comprising: tissue or cells capable of carrying out a physiological or pathophysiological function And A system for controlling heart function comprising: exogenous tissue or cells that can be placed within a subject; and an electrical connection that can be placed between the exogenous tissue or cells and a natural pacemaker region of the subject's heart
US6653113	Genpharm International, Inc.	yes				A method for modifying a target DNA sequence in a mouse embryonic stem cell	embryonic stem cell	mouse		
US6653526	Deltagen, Inc.		yes	An isolated mouse cell whose genome comprises a disruption in a nucleic acid sequence And A transgenic mouse whose genome comprises a heterozygous disruption in a nucleic acid sequence		A method of producing a transgenic mouse whose genome comprises a disruption in a nucleic acid sequence	embryonic stem cell	mouse		
US6656489	IsoTis N.V.			A composite scaffold for tissue engineering cartilage			stem cells			
US6660523	Schering Corporation	yes				A method of producing PC comprising contacting CD34++CD45RA- early heamatopoietic progenitor cells for at least 13 days with an effective amount of a combination of FLT3-Ligand and TPO	heamatopoietic progenitor cells			

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US6662805	The Johns Hopkins University|Chondros, Inc.	yes				A method for replacing a tissue or body part by filling a cavity or lesion of the tissue	embryonic stem cells			
US6663870	ZymoGenetics, Inc.	yes			A method for promoting proliferation of cells And A method for promoting differentiation of cells		bone marrow stem cells			
US6664107	Ontario Cancer Institute, University Health Network			A DNA sequence comprising at least exons 6-8 of a mouse CD45 DNA construct into which a marker gene sequence has been substituted for at least exon 6 and intron 6 and A mouse CD45 DNA construct		embryonic stem cell	mouse			
US6670123	New York Blood Center, Inc.	yes			A method for detecting the presence of hematopoietic stem cells in a heterogeneous cell suspension that may contain hematopoietic stem cells		hematopoietic stem cells			
US6673607	TONER MEHMET|EROGLU ALI|TOTH THOMAS	yes				A method for treating a living cell A method for producing a fertilized oocyte	embryonic stem cell	mammalian		
US6676937	Caritas St. Elizabeth's Medical Center of Boston Inc.		yes	A pharmaceutical product for inducing neovascularization in a mamma And A kit for inducing formation of new blood vessels in ischemic tissue of a mammal		A method for inducing formation of new blood vessels in ischemic tissue of a mammal	endothelial progenitor cells	mammalian		
US6677501	Pfizer, Inc.		yes	A transgenic mouse And A cultured mouse cell And An isolated nucleic acid molecule		A method for producing a mouse	embryonic stem cell	mouse		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6679898	The Regents of the University of California	yes				A method for harvesting from the eye of a mammalian donor a graft which comprises limbal stem cells in addition to corneal tissue		limbal stem cells	mammalian	
US6680198 A primordial human neural stem cell clone And A living progeny of a primordial human neural stem cell clone	The Children's Medical Center Corporation|University of British Columbia|University of Pennsylvania			A primordial human neural stem cell clone And A living progeny of a primordial human neural stem cell clone			neural stem cell	primordial human		
US6682734	DEC Pharmaceuticals Corporation		yes				stem cells	human	treatment of B cell lymphoma	
US6685936	Osiris Therapeutics, Inc.		yes			A method of reducing an immune response against an alloantigen And A method of treating a transplant recipient for graft versus host disease And A method of reducing an immune response to a donor transplant	mesenchymal stem cells	human		
US6686198	President and Fellows of Harvard College	yes			. A method for inducing a stem cell having activin receptors responsive to activin to differentiate to a neuronal cell phenotype And . A method for enhancing survival of at least one neuronal cell having activin receptors responsive to activin And A method for inducing at least one progenitor cell to differentiate to a neuronal cell phenotype		Stem cell And Progenitor cell			

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US6689062	Microaccess Medical Systems, Inc.	yes				A method of performing a transesophageal cardiovascular procedure	stem cells			
US6689610	University of Utah Research Foundation	yes				A method for selecting a transformed cell containing a modification in a target DNA sequence in the genome of said cell	embryonic stem cells	mouse		
US6692957	Cornell Research Foundation, Inc.	yes			An in vitro method of identifying and separating a single mammalian neural cell type or a progenitor thereof from a mixed population in tissue containing other mammalian brain or spinal cord cell types		Progenitor cell			
US6692958 Cord blood	Humantec Ltd.	yes		Activated lymphocytes derived from cord blood And Preparations for preventing or treating a tumor and an infection disease, containing activated lymphocytes derived from cord blood And Preparations for promoting take of stem cells of organs, containing activated lymphocytes derived from cord blood And A kit for producing preparations for preventing or treating a tumor and an infection disease,		A method for producing preparations for preventing or treating a tumor and an infection disease	stem cells			
US6700037 Cloning porcine	Infigen, Inc.		yes			A method for preparing a porcine embryo And A method for preparing a cloned porcine embryo				

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US6703017	Ixion Biotechnology, Inc.|University of Florida			A composition comprising islet producing stem cells			stem cells	mammalian	treating pancreatic disease in a mammal	
US6703209	Biotransplant, Inc.	yes		A composition comprising (i) porcine pluripotent cells and (ii) STO8 feeder cells which express a porcine stem cell factor	A method of culturing a porcine pluripotent cell		stem cell factor	porcine		
US6703238	Point Therapeutics, Inc.	yes			A method for expanding antigen-specific T cells in vitro		bone marrow stem cells			
US6709864	Osiris Therapeutics, Inc.			A composition for producing adipocytes, comprising isolated human mesenchymal stem cells in a biocompatible matrix			mesenchymal stem cells	human		
US6713052	Human Genome Sciences, Inc.|SmithKline Beecham Corporation		yes		A method of mobilizing hematopoietic stem cells in an animal		hematopoietic stem cells			
US6713065	President and Fellows of Harvard College	yes			A method of stimulating a population of undifferentiated mammalian mesodermally derived cells to undergo hematopoiesis	A method of stimulating hematopoiesis in an animal	hematopoietic stem cells			
US6713245	Diacrin, Inc.|University Hospital Groningen	yes			A method for storing a population of human or porcine neural cells suitable for transplantation And A method for cryopreserving a population of human or porcine neural cells suitable for transplantation		neural stem or neural progenitor cells	human		
US6713247	Signal Pharmaceuticials, Inc.	yes			A method for producing a conditionally-immortalized human CNS cell		CNS progenitor cells	human		
US6717032	Deltagen, Inc		yes	A transgenic mouse		A method of producing a transgenic mouse	murine ambryonic stem cell	mouse		
US6718986	The General Hospital Corporation		yes			A method of promoting tolerance in a recipient mammal of a first species, to a graft obtained from a donor mammal of a second species	hematopoietic stem cells			

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US6720340	The Board of Trustees of the Leland Stanford, Jr. Unversity		yes		A method of mobilizing a progenitor cell in a mammal And		progenitor cell from bone marrow of the mammal	mammalian	A method of treating a condition amenable to treatment by recruitment of bone marrow-derived progenitor cells	
US6723131	The Cleveland Clinic Foundation	yes		A composite bone marrow graft material And A kit for the preparation of composite bone marrow graft material		A method of preparing composite bone marrow graft material	progenitor cells			
US6723561	Mayo Foundation for Medical Education and Research	yes			A method of transforming a quiescent cell with a nucleic acid encoding a polypeptide		hematopoietic stem cell			
US6730314	Merck Patent Gesellschaft	yes				A method for the production of chondrocyte cells for aggregation And A method for the production of a cartilage implant And A method for the production of a human cartilage implant	stem cells	human		
US6730821	Deltagen, Inc.		yes	A transgenic mouse		A method of producing a transgenic mouse	embryonic stem cell	mouse		
US6733433	Biosafe S A.			A system for the processing and separation of biological fluids into components			stem cells			
US6733503	IsoTis N.V.						progenitor cells			A coated implant
US6733743	University of Kentucky Research Foundation	yes			A method of impairing a hematologic cancer progenitor cell		progenitor cell			
US6733746	Invitrogen Corporation		yes	A serum-free, eukaryotic cell culture medium	A method of providing a recombinant CD34 sup.+ hematopoietic cell to a mamma		hematopoietic stem cells	mammalian		
US6733747	Centerpulse Biologics Inc.	yes	yes	A prosthetic graft for containment of blood flow in vivo		A method of implantation of a prosthetic graft for containment of blood flow	mesenchyinal stem cells and bone marrow stem cell			

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US6734014	The United States of America as represented by the Department of Health and Human Services	yes		A recombinant dendritic cell And A pharmaceutical composition		A method of making a mammalian dendritic cell transduced with a selected nucleic acid	hematopoietic stem cell	mammalian		
US6734338	Cedars-Sinai Medical Center|IMPEL, Imperial College of Science, Technology and Medicine		yes			A method of transferring male germ cells genetically altered with at least one polynucleotide encoding a gene product to a substantially depopulated testis of a recipient male non-human mammal And An in vivo method of incorporating a polynucleotide into germ cells of a male non-human mammal for the production of transgenic non-human mammals	spermatogonial stem cells	male non-human mammal		
US6737051	I.D.M. Immuno-Designed Molecules|Centre Hospitalier Universitaire de Montpellier			A cell composition			stem cells			
US6737053	National University of Singapore	yes				A method of making a tissue-engineered ligament	mesenchymal stem cells			An apparatus for reconstruction of a previously torn ligament
US6737072	Nerlich; Michael			A porous composite matrix			mesenchymal stem cells			
US6740793	Albert Einstein College of Medicine of Yeshiva University		yes	A transgenic mouse		A method for creating a transgenic mouse	embryonic stem cell	mouse		
US6743575	Biostore New Zealand Ltd.	yes				A method for preserving the viability of a living mammalian biological material	stem cell			

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US6743967	Chromos Molecular Systems Inc.|The Biological Research Center of the Hungarian Academy of Sciences		yes			A method for producing a transgenic non-human mammal And A method for producing a transgenic mouse	embryonic stem cell	Mouse And Non-human mammal		
US6747187	Henry M. Jackson Foundation for The Advancement of Military Medicine		yes	A transgenic mouse having cells comprising a chromosomally incorporated transgene And A transgenic mouse embryo having cells comprising a chromosomally incorporated transgene And A transgene construct comprising a recombination region having all or a portion of an endogenous Anx VII gene		A method for generating a transgenic mouse having an endogenous Anx VII gene and A method for generating an isolated transgenic mouse embryonic stem cell	embryonic stem cell	transgenic mouse		
US6749850	The General Hospital Corporation|Children's Medical Center Corporation		yes				hematopoietic stem cells		treating a subject with CNS ischemic damage and treating a subject with brain damage resulting from stroke	
US6750375	California Institute of Technology		yes	A transgenic mouse whose genome comprises a transgene which disrupts an endogenous regulator of G-protein signaling 9 (RGS9) gene		A method for producing a transgenic mouse exhibiting an inability to produce detectable levels of RGS9	embryonic stem cell	mouse		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6752834	Ed Geistlich Soehne AG Fuer Chemische Industrie			A membrane comprising a resorbable multi-layer membrane for use in vivo in the reconstruction of bone or cartilage tissue at a site of a defect in said tissue			mesenchymal stem cells from bone marrow			
US6753153	The Scripps Research Institute	yes		An isolated population of pancreatic islet progenitor cells	A method of identifying mammalian pancreatic islet progenitor cells		pancreatic islet progenitor cells	mammalian		
US6753456	California Institute of Technology		yes	A heterozygous transgenic knock-in mouse And A transgenic knock-in mouse comprising a transgene encoding a leucine-to-alanine mutation at position 9' in the M2 transmembrane region of the .alpha.4 nicotinic receptor subunit		A method for producing a heterozygous transgenic knock-in mouse having a modified behavior compared to a normal mouse	embryonic stem cell	mouse		
US6758828	Regents of the University of Minnesota						fetal stem cells			An apparatus for delivering an agent to a treatment region
US6759201	The General Hospital Corporation	yes			A method of identifying a neural progenitor cell And A method of identifying the stage of neurogenesis of a cell		neural progenitor cell			
US6759242	California Institute of Technology	yes			A method of culturing at least one neural crest stem cell (NCSC) to enhancer survival of said NCSC		neural crest stem cell			
US6761739	Musculoskeletal Transplant Foundation			A sterile composite graft			mesenchymal stem cells			
US6761883	The Board of Trustees of the Leland Stanford Junior University			A substantially pure composition of human myeloid progenitor cells			myeloid progenitor cells	human		
US6761887	Osiris Therapeutics, Inc.	yes		A composition for producing cartilage		A method for regenerating or repairing cartilage in an individual in need thereof And A method of forming cartilage in vitro	mesenchymal stem cells	human		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6762053	Vitrolife, Inc.			A mammalian culture medium supplement			stem cell	mammalian		
US6762342	Deltagen, Inc.		yes	A transgenic mouse		A method of producing a transgenic mouse	murine embryonic stem cell	mouse		
US6762343	City of Hope			A transgenic double knockout mouse			stem cell	mouse		
US6765126	Deltagen Inc.		yes	A transgenic mouse		A method of identifying an agent capable of modulating increased coordination or increased agility associated with disruption of NPY6 receptor	murine embryonic stem cell	mouse		
US6767531	NeoRx Corporation		yes	A liquid pharmaceutical composition			stem cell		A therapeutic method for treating a bone-associated cancer	
US6767737	New York University			A composition comprising a physiologically acceptable medium and human stem cells And A cellular composition comprising a substantially homogeneous population of cultured human stem cells			stem cells	human		
US6767738	The Salk Institute for Biological Studies	yes			A method for isolating adult mammalian CNS-derived progenitor cells (ACPC) or adult mammalian CNS-derived stem cells (ACSC)		CNS-derived stem cells	mammalian		
US6773425	TAMARI YEHUDA			A container for drying a biological product to be placed on a shelf of a drying chamber			stem cells			
US6773713	University of Massachusetts	yes				A method of making a living tissue construct having a predetermined shape	neural stem or progenitor cells			

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US6776986	Novartis AG			A nucleic acid sequence			hematopoietic stem cell	human		
US6777231	The Regents of the University of California			An isolated adipose-derived stem cell that can differentiate into two or more of the group consisting of a bone cell, a cartilage cell, a nerve cell, or a muscle cell			adipose-derived stem cell			
US6777233	StemCells California, Inc.			A cell culture			central nervous system (CNS) neural stem cell			
US6777234	The Regents of the University of Michigan			An anchor system for controllably forming tissue from precursor cells in vitro		A method for making an anchor system for controllably forming tissue from precursor cells in vitro	stem cells			
US6783775	Hadasit Medical Research Services and Development Ltd.			A biologically active composition			hematopoictic normal stem and progenitor bone marrow cells			
US6784155	Wellstat Therapeutics Corporation				A method of stimulating stem cell proliferation		stem cell			
US6784335	Deltagen, Inc.		yes	A transgenic mouse		A method of producing a transgenic mouse	murine embryonic stem cell	mouse		
US6787353	University of Utah Research Foundation	yes			A method of isolating a pure population of rodent or human CNS neuron-restricted precursor cells		multipotent CNS stem cells	human		
US6787355	McGill University	yes			A method of producing a population of at least ten cells, wherein at least 30% of the cells are multipotent stem cells substantially purified from skin or tongue tissue of a postnatal mammal or progeny of said multipotent stem cells		multipotent stem cells			
US6787357	Virginia Commonwealth University	yes		Engineered tissue comprising a suspension of anticoagulated plasma, a clotting agent, a fibrinolytic, inhibitor and cells		A method of manufacturing an engineered tissue comprising mixing cells with anticoagulated plasma and a clot agent, a fibrinolytic inhibitor to form a suspension	stem cells			

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US6790233	Amedica Corporation			A spinal fusion cage for implantation between and fusion with adjacent vertebrae			mesenchymal stem cells and embryonic stem cells			
US6790614	Novartis AG	yes			A method for identifying transduced mammalian hematopoietic cells And A method of identifying mammalian hematopoietic cells expressing a protein of interest		murine embryonic stem cell viral vector	mammalian		
US6790826	Human Genome Sciences, Inc.	yes			A method for stimulating the proliferation and differentiation of hematopoietic progenitor cells		hematopoietic progenitor cells			
US6797264	Cellartis AB	yes			A method of propagating cells		neuronal progenitor cells and neuronal stem cells			
US6797269	Osiris Therapeutics, Inc.	yes				A method of inhibiting a T-cell response to an antigen	mesenchymal stem cells			
US6800480	Geron Corporation			A cellular composition comprising undifferentiated primate primordial stem (pPS) cells proliferating on an extracellular matrix And A cellular composition comprising undifferentiated human embryonic stem (ES) cells			primordial stem (pPS) cells and embryonic stem (ES) cells	Primate And human		
US6800616	SuperGen, Inc.		yes				T lymphocyte stem cells	human	A method of treating an HIV-infected patient	
US6800790	Carnegie Institution of Washington		yes		A method for increasing the abundance of germline stem cells of Drosophila in vivo		Germline stem cells	Drosophila		
US6803036	University of Southern California		yes		A method for treating donor cells to ameliorate graft versus host disease in a recipient patient		Stem cells	human		

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US6805860	ALT ECKHARD		yes			A process for repairing tissue of a patient's heart And A process for repairing tissue of an organ in a patient's body And A method of repairing tissue of an organ in a patient's body	stem cells			
US6808702	Board of Regents, the University of Texas System		yes		A method of providing a nitric oxide (NO) within the gastrointestinal alimentary tract of a subject suffering from a gastrointestinal disorder associated with lower levels of NO And A method of treating a disorder of the enteric nervous system in a subject suffering from an enteric nervous disorder associated with lower levels of NO		embryonic neural stem cells		treating a disorder of the enteric nervous system	
US6808704 cloning	Advance Cell Technology, Inc.		yes			A method of testing the immune compatibility of cloned cells or tissues in a non-human mammal model	stem cell	Non-human		
US6809117	Cold Spring Harbor Laboratory	yes			A method of increasing a population of precursor cells in a tissue of a mammal		mesenchymal stem cells			

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US6812027	Cornell Research Foundation, Inc.	yes		Human neuronal progenitor cells isolated from non-embryonal human brain tissue		A method of propagating neurons and differentiating from neuronal progenitor cells derived from human brain tissue And A method of enhancing survival and function of human neuronal progenitor cells And A method of detecting human neuronal progenitor cells committed to formation of neurons And A method of separating human, non-embryonal neural or neuronal progenitor cells from a mixed population of cells from human brain tissue	neuronal progenitor cells	human		
US6814961	JENSEN GITTE S|DRAPEAU CHRISTIAN	yes			A method for enhancing CD34+ stem cell trafficking in a subject		stem cell			
US6815418	Kaleidos Pharma, Inc.					A method for expanding a subject's population of insulin-producing cells	pancreatic stem cells		A method for treating Type I diabetes	
US6821779	University Hospital Groningen, Inc.|Diacrin, Inc.		yes				neural stem or neural progenitor cells	human	A method for treating a neurological disorder or dysfunction	
US6821790	MAHANT VIJAY|DONEEN BYRON	yes			A method of separating a target cell-containing sample into a substantially target cell-depleted portion, and a target cell-containing portion		stem cell			
US6822138	Washington University in St. Louis		yes	A transgenic mouse comprising a homozygous disruption of the NIK gene		A method of making a transgenic mouse	embryonic stem cells	mouse		

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US6824973	Kirin Beer Kabushiki Kaisha|Nuvelo Inc.	yes			An ex vivo method of promoting proliferation of a hematopoietic stem cell cell comprising contacting said cell with an amount of a polypeptide And An ex vivo method of maintaining survival of a hemoatropoietic stem cell		hematopoietic stem cell			
US6828145	Cedars-Sinai Medical Center	yes			A method for the isolation of stem cells of a mammal		Stem cell	mammalian		
US6830927	University of Utah Research Foundation	yes			A method for generating mammalian neural crest stem cells		neural crest stem cells	mammalian		
US6833252	Institut Pasteur|Universite Pierre et Marie Curie			A recombinant mammalian chromosome		Stem cell	mouse			
US6835377	Osiris Therapeutics, Inc.		yes			A method for regenerating articular cartilage defects in a host in need thereof	mesenchymal stem cells	human	A process for treating a cartilage defect resulting from osteoarthritis	
US6835390	VEIN JON	yes				A method of providing nutrition to a subject comprising providing the subject with a non-human meat product produced by the following steps	pluripotent or totipotent stem cells	non-human		
US6835567	Signal Pharmaceuticals, Inc.	yes		A conditionally-immortalized dorsal root ganglion progenitor cell containing an oncogene	A method for producing a conditionally-immortalized dorsal root ganglion progenitor cell And A method for producing neurons And A method for determining whether or not a conditionally-immortalized dorsal root ganglion progenitor cell is capable of differentiation into a neuron		dorsal root ganglion progenitor cel			
US6835867	WOYCHIK RICHARD P.|MAGNUSON TERRY R.|AVNER ELLIS D.|THOMAS JAMES W.	yes			A method of producing an allelic series of modifications in a gene of interest in a cell		embryonic stem cells	mouse		
US6838056	Innovative Micro Technology			A micromechanical cell sorting chip			hematopoietic stem cell	human		
US6838284	IsoTis N.V.			Culture medium comprising glucose, a mineral, a vitamin, a growth factor and L glutamine			stem cells, progenitor cells, mesenchymal cells	human		

Publication Number	Assignee/	In vitro	In vivo	Composition	Method of making	Use/ Diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6838549	Sloan-Kettering Institute for Cancer Research			A preparation of isolated and purified human pluripotent colony stimulating factor for stimulation of proliferation and differentiation of pluripotent progenitor cells to all major blood cell types			hematopoietic progenitor cells			
US6841147	Amgen, Inc.			A composition which comprises a therapeutically effective amount of an isolated stem cell factor			stem cell factor			
US6841386	Viacell, Inc.	yes			A method of inhibiting differentiation of a cultured CD34⁺CD38[−] cell		primary stem cell	Mammalian and human		
US6841542	AVI BioPharma, Inc.	yes				A method of decreasing the time for hematopoietic reconstitution of a patient following chemotherapy or radiation therapy	human stem cells			
US6844312	Stem Cell Therapeutics Inc.			A composition useful for producing TH positive neurons from neural stem cells And A pharmaceutical composition comprising fibroblast growth factor 1 (FGF-1)			neural stem cells			
US6846327	Amedica Corporation		yes	A bone graft, comprising: <p>a porous ceramic substrate block having a relatively high strength corresponding substantially with natural cortical and cancellous bone		A bone graft method	mesenchymal stem cells, hematopoietic cells, and embryonic stem cells			

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US6849255	Yissum Research Development Company of the Hebrew University of Jerusalem|Gesellschaft Fuer Biotechnologische Forschung MBH		yes	A composition comprising an isolated, engineered mesenchymal stem cell		A method of repairing or forming a cartilage in a subject	mesenchymal stem cell			
US6849454	St. Jude Children's Research Hospital	yes			A method for transducing hematopoietic stem cells with a vector particle containing a gene of interest		hematopoietic stem cells			
US6849594	Lawler; John|Chen; Hui			An enzyme-linked immunosorbent assay kit And A composition comprising purified cartilage oligomeric matrix protein and a biological matrix			mesenchymal stem cells			
US6852321	ImClone Systems Incorporated|Regents of the University of California	yes		A composition for preserving viability of progenitor cells ex vivo And An essentially pure protein			progenitor cells			
US6852330	DePuy Mitek, Inc.			A biocompatible tissue repair stimulating implant			mesenchymal stem cells			A biocompatible tissue repair stimulating implant
US6852331	Taipei Biotechnology Ltd., Inc.		yes			A method of fabricating a cartilage implant	mesenchymal stem cells			
US6852533	Cornell Research Foundation, Inc.|Sloan-Kettering Institute for Cancer Research|ImClone System Incorporated			An isolated or purified population of mammalian endothelial stem cells			endothelial stem cells	mammalian		
US6852534	Kourion Therapeutics GmbH	yes				A method to determine the white blood cell content of an engrafting cell dose of hematopoietic stem cell transplant units from transplant sources having nucleated cells	hematopoietic stem cell			
US6855102	Gambro Inc	yes			A method of separating cells in a centrifuge		stem cells			

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US6858208	The Johns Hopkins University School of Medicine	yes			A method for inhibiting the growth regulating actions of growth differentiation factor-8 (GDF-8) on fetal or adult muscle cells or progenitor cells And A method for increasing the muscle mass in a subject		progenitor cells			
US6858772	Deltagen, Inc.		yes	A transgenic mouse	A method of producing a transgenic mouse		embryonic stem cell	mouse		
US6861255	Sea Run Holdings, Inc.	yes			A process of using a fish plasma component in a nutrient medium for tissue culture		stem cell	mammalian		
US6861257	Shionogi & Co., Ltd.	yes			A method for producing an osteoclast, comprising: <p>culturing an osteoclast precursor cell in the absence of accessory cells in a culture medium		hematopoietic stem cell-derived cell			
US6863885	The United States of America as represented by the Department of Health and Human Servies		yes			A method of engrafting allogenic donor mammalian hematopoietic pluripotent cells in a mammalian recipient using a non-myeloablative amount of radiomimetic compound	hematopoietic pluripotent cells	mammalian		
US6863900	Osiris Therapeutics, Inc.			A composition for augmenting bone formation			mesenchymal stem cells			
US6866843	Viacell, Inc.		yes				nestin-positive pancreatic stem cell	mammalian	A method of treating a patient with diabetes mellitus And A method of transplanting into a mammal	
US6866991	ZymoGenetics, Inc.	yes			A method for promoting proliferation of cells And A method for promoting differentiation of cells		bone marrow stem cells			
US6869795	AVI BioPharma, Inc.	yes		A composition comprising an antisense oligomer having an uncharged backbone And An antisense morpholino oligomer	A method of promoting hematopoietic stem cell differentiation in vitro		hematopoietic stem cell			
US6872389	Rhode Island Hospital	yes			A method of obtaining a population of liver cell clusters comprising		stem cell			

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US6872567	StemCell Technologies Inc.	yes			A method of separating nucleated cells from a sample		hematopoietic stem cells			
US6875430	Osiris Therapeutics, Inc.		yes			A process for treating a recipient of a transplant to reduce in said recipient an immune response of effector cells against a xenoantigen to the effector cells	mesenchymal stem cells			
US6875605	Florida State University Research Foundation, Inc.	yes			A method of seeding and culturing cells		hematopoietic stem cells	human		
US6875753	The Governors of the University of Alberta		yes			A method of transplanting stem cells into a patient in need of stem cell transplantation And A method of mobilizing cells prior to and during harvesting tissue to be used for organ transplantation	stem cell			
US6877514	The General Hospital Corporation		yes			A method of promoting tolerance in a recipient mammal to an allograft obtained from a donor mammal of the same species	hematopoietic stem cells	mammalian		
US6878542	The University of Edinburgh	yes		A vector comprising a nucleic acid sequence encoding a growth factor receptor operatively linked to a promoter that preferentially expresses the growth factor receptor in mammalian stem cells	An in vitro method of enriching a population of mammalian cells for mammalian stem cells And An in vitro method of isolating mammalian stem cells from a population of mammalian cells And An in vitro method of purifying mammalian stem cells from a population of mammalian cells		stem cells	mammalian		

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US6884589	Regents of the University of California	yes		A cDNA sequence encoding a hormone sensitive E2a-Pbx1 protein comprising a nucleotide sequence encoding a chimeric E2a-Pbx1-hormone binding domain (HBD) protein		A method for screening for chemotherapeutic factors	hematopoietic progenitor cells	mammalian		
US6887706	Wisconsin Alumni Research Foundation	yes			A method of differentiating primate embryonic stem cells into neural precursor cells		embryonic stem cells	primate		
US6890724	California Institute of Technology	yes			A method for the enrichment of neural progenitor cells		neural progenitor cells			
US6897061	Spinal Cord Society	yes			An in vitro method to produce a population that includes neurons and/or oligodendrocytes		neural stem cell	mammalian		
US6897353	Yale University		yes		A method of producing a transgenic, non-human mammal having integrated into its genome a defined segment of DNA					
US6902932	Tissue Regeneration, Inc.|Trustees of Tufts College			A silk-fiber-based matrix composition			adult or embryonic stem cells			
US6905678	Crucell Holland B.V.	yes				A method for delivering a nucleic acid of interest to a mesenchymal stem cell	mesenchymal stem cell			
US6908763	The Board of Trustees of the Leland Stanford Junior University	yes		A composition of mammalian common lymphoid progenitor cells And An isolated mammalian hematopoietic cell	A method of enrichment for a composition of mammalian common lymphoid progenitor cells		hematopoietic cell	mammalian		
US6908764	Yissum Research Development Company			An isolated recombinant mammalian mesenchymal stem cell			mesenchymal stem cell	mammalian		

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US6909030	Cedars-Sinai Medical Center	yes		A null mutant mouse comprising in its germ cells an artificially induced pituitary tumor transforming gene (PTTG) null mutation on both PTTG alleles An animal model for diabetes		A method for screening a drug candidate for therapeutic treatment	embryonic stem cell			
US6911201	Technion Research & Development Foundation Ltd.	yes				A method of expanding undifferentiated hemopoietic stem cells	hemopoietic stem cells			
US6911202	AMIR ABRAHAM|AMIR REVA		yes			A method of cosmetically repairing a skin contour irregularity in a subject	progenitor cells			
US6911220	The General Hospital Corporation		yes		A method of restoring or promoting the thymus-dependent ability for T cell progenitors to develop into mature functional T cells in a primate recipient		hematopoietic stem cells			
US6913924	Schering Corporation			A population of cells						
US6913925	Signal Pharmaceuticals LLC	yes		A conditionally-immortalized human mesencephalon neural progenitor cell capable of differentiation into neurons in the presence of differentiating agents		A method for producing a conditionally-immortalized human mesencephalon neural progenitor cell	neural progenitor cell			
US6916470	Novartis AG	yes				A method for genetically modifying a population of human hematopoietic stem cells	hematopoietic stem cells	human		

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US6919209	City of Hope					A method for stably transferring DNA into multi-potential hematopoietic stem cells in the G0 phase of the cell cycle	hematopoietic stem cells			
US6921632	Maria Biotech Co., Ltd.	yes			A process for making undifferentiated human embryonic stem cells		embryonic stem cells	human		
US6921665	Roslin Institute (Edinburgh)|Geron Corporation	yes			A method of producing differentiated cells		embryonic stem (hES) cells	human		
US6923833	WASIELEWSKI RAY C						hematopoietic stem cells			A prosthetic constraining device for use with a hip replacement prosthesis
US6923959	The General Hospital Corporation		yes			A method of transplanting an organ in a mammal without the administration of immunosuppressive drugs	pancreatic stem cells			
US6924142	Neuro Spheres Holdings Ltd.	yes				A method for screening the effects of drugs or other agents on neuronal cells	neural stem cells			
US6927060	University of Iowa Research Foundation				A method to prepare isolated mammalian epidermal stein cells		epidermal stem cells	mammalian		
US6927317	Pfizer, Inc.			A genetically-modified mouse			embryonic stem cell	mouse		
US6927318	The Children's Medical Center Corporation		yes	A transgenic mouse		A method of producing a transgenic mouse	embryonic stem cell			
US6929948	The University Court of the University of Edinburgh	yes			A method for generating a culture that is purified or enriched in neural progenitor cells		neural progenitor cells			
US6930222	The Scripps Research Institute		yes		A process for making an in vivo model of human leukemia		stem cells			
US6933150	St. Jude Children's Research Hospital	yes		A gene-modified mammalian hematopoietic stem cell	A method of performing ex vivo expansion of a gene-modified hematopoietic stem cell		hematopoietic stem cell			
US6936281	University of South Florida			An isolated pluri-differentiated mesenchymal progenitor cell And A pharmaceutical composition			mesenchymal progenitor cell			

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US6939669	Meiji Dairies Corporation	yes			A method for promoting ex vivo expansion of hematopoietic stem cells or hematopoietic progenitor cells					
US6943277	Deltagen, Inc.	yes		A targeting construct And A transgenic mouse		A method of producing a targeting construct	embryonic stem cell	mouse		
US6946266	Fred Hutchinson Cancer Research Center	yes				A method for producing a selected polypeptide And A method of repopulating an avian host with transduced bursal cells	stem cells	bursal		
US6946293	ES Cell International Pte Ltd.	yes			A method for preparing a substantially pure non-adherent population of progenitor cells		v			
US6953874	Millennium Pharmaceuticals, Inc.		yes	A transgenic mouse		A method of preparing a transgenic mouse				
US6955802	The Trustees of Columbia University in the City of New York			A neural stem cell			neural stem cell			
US6962698	Gamida Cell Ltd.|Hadasit Medical Research Services and Development, Ltd.	yes	yes			A method of transplanting expanded undifferentiated hematopoietic cells	hematopoietic cells			
US6962787	Roslin Institute (Edinburgh)	yes				A method of diagnosis for the presence of a transmissible spongiform encephalopathy in an animal	hematopoietic cells			
US6967029	Amgen Inc.	yes			A method for enhancing hematopoiesis in a human or other subject		hematopoietic progenitor cells			
US6969608"	McGill University			A composition			neural stem cells			
US6969702	NeuroNova AB		yes			A method for increasing neurogenesis in neural tissue of a patient	neural stem cells			
US6977073		yes				A method of stimulating a disease-specific immune response,	stem cells			

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USRE037978	Advanced Research & Technology Institute	yes			. A method of obtaining a population of cells enriched in a first cell lineage		embryonic stem cells			
Totals					Totals					