

RegeneMed U.S. Patents

U.S. Patents *Assigned* from Advanced Tissue Sciences Liquidating Trust (together with foreign counterparts)

#	U.S. Patent #	Patent Title
1	5,032,508	Three-Dimensional Cell and Tissue Culture System
2	5,160,490	Three-Dimensional Cell and Tissue Culture System
3	5,510,254	Three-Dimensional Cell and Tissue Culture System
4	5,516,680	Three-Dimensional Kidney Cell and Tissue Culture System
5	5,516,681	Three Dimensional Pancreatic Cell and Tissue Culture System
6	5,541,107	Three-Dimensional Bone Marrow Cell and Tissue Culture System
7	5,559,022	Liver Reserve Cells
8	5,580,781	Three-Dimensional Tumor Cell and Tissue Culture System
9	5,624,840	Three-Dimensional Liver Cell and Tissue Culture System
10	5,827,729	Diffusion Gradient Bioreactor and Extracorporeal Liver Device Using a Three-Dimensional Liver Tissue
11	5,849,588	Method of Use of a Three-Dimensional Liver and Tissue Culture System
12	6,008,049	Diffusion Gradient Bioreactor and Liver Device
13	6,022,743	Three Dimensional Culture of Pancreatic Parenchymal Cells on a Living Stromal Tissue Prepared In Vitro
14	6,027,935	Novel Gene Up-regulated in Regenerating Liver
15	6,218,182	Method for Culturing Three-Dimensional Tissue in Diffusion Gradient Bioreactor and Use Thereof

**U.S. Patents *Sublicensed* from Advanced Tissue Sciences Liquidating Trust
(together with foreign counterparts)**

#	U.S. Patent #	Patent Title
1	4,721,096	Process for Replicating Bone Marrow In Vitro and Using the Same
2	4,963,489	Three-Dimensional Cell and Tissue Culture System
3	5,266,480	Three-Dimensional Skin Culture System
4	5,443,950	Three-Dimensional Cell and Tissue Culture System
5	5,460,939	Temporary Living Skin Replacement
6	5,478,739	Three-Dimensional Stromal Cell and Tissue Culture System
7	5,512,475	Three-Dimensional Skin Cell and Tissue Culture System
8	5,518,915	Three-Dimensional Mucosal Cell and Tissue Culture System
9	5,578,485	Three-Dimensional Blood-Brain Barrier Cell and Tissue Culture System
10	5,763,267	Apparatus and Large Scale Growth and Packaging of Cell Suspensions and Three-Dimensional Tissue Cultures
11	5,785,964	Three-Dimensional Genetically Engineered Cell and Tissue Culture System
12	5,830,708	Methods for Production of a Naturally Secreted Extracellular Matrix
13	5,843,766	Apparatus for the Growth and Packaging of Three-dimensional Tissue Cultures
14	5,858,721	Three-Dimensional Genetically Engineered Cell and Tissue Culture System
15	5,863,531	In Vitro Preparation of Tubular Tissue Structures by Stromal Cell Culture on a Three-Dimensional Framework
16	5,962,325	Three-Dimensional Stromal Tissue Cultures
17	6,121,042	Apparatus and Method for Simulating In Vivo Conditions for the Growth and Culture of Three-Dimensional Tissue
18	6,140,039	Three-dimensional Filamentous Tissue Having Tendon & Ligament Function
19	6,284,284 B1	Compositions and Methods for Production and Use of An Injectable Naturally Secreted Extracellular Matrix
20	6,291,240 B1	Cells or Tissues with Increased Protein Factors and Methods of Making and Using Same

All RegeneMed Patents In Order of Patent Number

#	U.S. Patent #	Patent Title
1	4,721,096	Process for Replicating Bone Marrow In Vitro and Using the Same
2	4,963,489	Three-Dimensional Cell and Tissue Culture System
3	5,032,508	Three-Dimensional Cell and Tissue Culture System
4	5,160,490	Three-Dimensional Cell and Tissue Culture System
5	5,266,480	Three-Dimensional Skin Culture System
6	5,443,950	Three-Dimensional Cell and Tissue Culture System
7	5,460,939	Temporary Living Skin Replacement
8	5,478,739	Three-Dimensional Stromal Cell and Tissue Culture System
9	5,510,254	Three-Dimensional Cell and Tissue Culture System
10	5,512,475	Three-Dimensional Skin Cell and Tissue Culture System
11	5,516,680	Three-Dimensional Kidney Cell and Tissue Culture System
12	5,516,681	Three Dimensional Pancreatic Cell and Tissue Culture System
13	5,518,915	Three-Dimensional Mucosal Cell and Tissue Culture System
14	5,541,107	Three-Dimensional Bone Marrow Cell and Tissue Culture System
15	5,559,022	Liver Reserve Cells
16	5,578,485	Three-Dimensional Blood-Brain Barrier Cell and Tissue Culture System
17	5,580,781	Three-Dimensional Tumor Cell and Tissue Culture System
18	5,624,840	Three-Dimensional Liver Cell and Tissue Culture System
19	5,763,267	Apparatus and Large Scale Growth and Packaging of Cell Suspensions and Three-Dimensional Tissue Cultures
20	5,785,964	Three-Dimensional Genetically Engineered Cell and Tissue Culture System
21	5,827,729	Diffusion Gradient Bioreactor and Extracorporeal Liver Device Using a Three-Dimensional Liver Tissue
22	5,830,708	Methods for Production of a Naturally Secreted Extracellular Matrix
23	5,843,766	Apparatus for the Growth and Packaging of Three-dimensional Tissue Cultures
24	5,849,588	Method of Use of a Three-Dimensional Liver and Tissue Culture System
25	5,858,721	Three-Dimensional Genetically Engineered Cell and Tissue Culture System
26	5,863,531	In Vitro Preparation of Tubular Tissue Structures by Stromal Cell Culture on a Three-Dimensional Framework

27	5,962,325	Three-Dimensional Stromal Tissue Cultures
28	6,008,049	Diffusion Gradient Bioreactor and Liver Device
29	6,022,743	Three Dimensional Culture of Pancreatic Parenchymal Cells on a Living Stromal Tissue Prepared In Vitro
30	6,027,935	Novel Gene Up-regulated in Regenerating Liver
31	6,121,042	Apparatus and Method for Simulating In Vivo Conditions for the Growth and Culture of Three-Dimensional Tissue
32	6,140,039	Three-dimensional Filamentous Tissue Having Tendon & Ligament Function
33	6,218,182	Method for Culturing Three-Dimensional Tissue in Diffusion Gradient Bioreactor and Use Thereof
34	6,284,284 B1	Compositions and Methods for Production and Use of An Injectable Naturally Secreted Extracellular Matrix
35	6,291,240 B1	Cells or Tissues with Increased Protein Factors and Methods of Making and Using Same