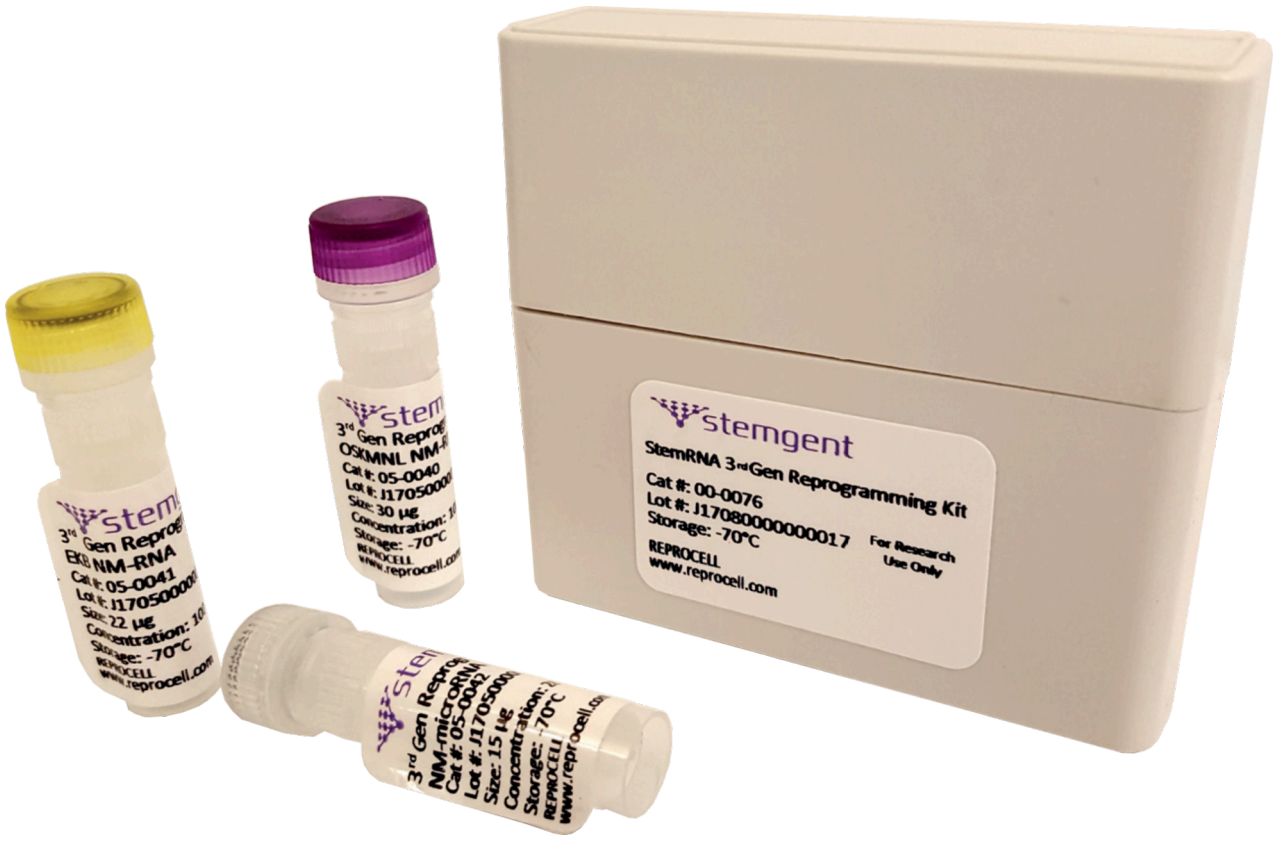
REPROCELL

Product Catalog



REPROCELL USA • REPROCELL Europe • Bioserve India

https://www.reprocell.com/product-catalog

REPROCELL provides services and products for preclinical and clinical research

We are a manufacturer and vendor of cells and products for stem cell research and 3D cell culture. Besides our own Bioserve®, Stemgent®, Alvetex®, and REPROCELL® branded products, we also sell a wide range from other manufacturers in this space.

This catalog serves territories covered by **REPROCELL USA** (Americas), **REPROCELL Europe** (EMEA), and **Bioserve India** (India).

Contents

REPROCELL BRANDS

bioserve stemgent alvetex biopta

Stem Cell Reagents

RNA Reprogramming

https://www.reprocell.com/product-catalog/rna-rerprogramming • **US:** https://store.reprocell.com/rna-reprogramming-c3

Stemgent® by REPROCELL®

StemRNA™ 3rd Gen Reprogramming Kit		REPROCELL
The StemRNA 3rd Gen Reprogramming Kit provides the fastest, most efficient method for generating clinically relevant iPS cells using a non-integrating, mRNA-based protocol. This technology supports generating iPSC lines derived from fibroblasts, blood, and urine using one multi-purpose kit.	00-0076	1 kit

Small Molecules

https://www.reprocell.com/product-catalog/small-molecules • **US:** https://www.reprocell.com/small-molecules-c1

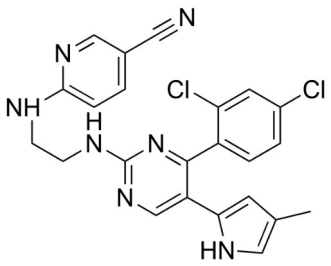
Stemgent® by REPROCELL®

Stemolecule™ hES Cell Cloning & Recovery Supplement		Stemgent (REPROCELL)
Stemgent hES Cell Cloning & Recover Supplement is a 1000× concentrate of Thiazovivin (2 mM). In culture media it significantly improves the likelihood of successful sub-cloning from single cells, and increases attachment after passaging. This supplement is a ROCK inhibitor (see Thiazovivin, cat. # 04-0017 for more information).	01-0014-500	5 × 100 µL

Stemolecule™ A83-01		Stemgent (REPROCELL)
A83-01 is a selective inhibitor of the transforming growth factor-beta (TGF-β) type I receptor ALK5, the Activin/Nodal receptor ALK4, and the nodal receptor ALK71.		
Stemolecule™ A83-01 (2 mg)	04-0014	2 mg
Stemolecule™ A83-01 (10 mg)	04-0014-10	10 mg

Stemolecule™ ALK5 Inhibitor		Stemgent (REPROCELL)
ALK5 Inhibitor (also known as RepSox, E 616452, and SJN 2511) is a selective and ATP-competitive inhibitor of the TGF-β family type I receptor of activin receptor-like kinase (ALK5).	04-0015	1 mg

Stemolecule™ All-Trans Retinoic Acid		Stemgent (REPROCELL)
All-Trans Retinoic Acid (ATRA) is the oxidized form of Vitamin A, functioning as a signaling molecule for various developmental pathways that control differentiation and proliferation.	04-0021	100 mg



Stemolecule™ CHIR99021

Stemolecule™ CHIR99021		Stemgent (REPROCELL)
CHIR99021 is a highly potent, specific and effective inhibitor of glycogen synthase kinase 3 beta (GSK-3β).		
Stemolecule™ CHIR99021 (2 mg)	04-0004	2 mg
Stemolecule™ CHIR99021 (10 mg)	04-0004-10	10 mg
Stemolecule™ CHIR99021 in Solution (2 mg (10 mM))	04-0004-02	2 mg (10 mM)

Stemolecule™ Cyclopamine		Stemgent (REPROCELL)
Cyclopamine is a steroid alkaloid isolated from the corn lily (Veratrum californicum) that is a Smoothened antagonist involved in both embryogenesis and cancer progression.	04-0022	2 mg

Stemolecule™ DAPT		**Stemgent (REPROCELL)**
DAPT (a.k.a. GSI-IX or LY-374973) is a cell-permeable dipeptide that inhibits γ-secretase and indirectly inhibits Notch, a γ-secretase substrate.	04-0041	5 mg
Stemolecule™ Dorsomorphin		**Stemgent (REPROCELL)**
Dorsomorphin dihydrochloride (a.k.a. Compound C) is a potent inhibitor of AMP-activated protein kinase (AMPK) and bone morphogenic protein (BMP) signaling.	04-0024	2 mg
Stemolecule™ Doxycycline hyclate		**Stemgent (REPROCELL)**
Doxycycline hyclate (dox) is a broad spectrum antibiotic derivative of tetracycline and an inhibitor of matrix metalloproteinases.	04-0016	10 mg
Stemolecule™ ec23		**Stemgent (REPROCELL)**
A light-stable pan-RAR receptor agonist that maintains the same biological activity as ATRA (all-trans retinoic acid).		
Stemolecule™ ec23 (5 mg)	SRP002	5 mg
Stemolecule™ ec23 (2 × 5 mg)	SRP002-2	5 mg × 2
Stemolecule™ Forskolin		**Stemgent (REPROCELL)**
Forskolin is a natural product adenylate cyclase activator that increases cyclic AMP levels.	04-0025	10 mg
Stemolecule™ KAAD-Cyclopamine		**Stemgent (REPROCELL)**
KAAD-cyclopamine is a sonic hedgehog antagonist that targets Smoothened, a 7-transmembrane receptor of the hedgehog signaling pathway.	04-0028	100 µg
Stemolecule™ LDN-193189		**Stemgent (REPROCELL)**
LDN193189 is a cell permeable, small molecule inhibitor of bone morphogenetic protein (BMP) type I receptors ALK2 and ALK3.		
Stemolecule™ LDN-193189 (2 mg)	04-0074	2 mg
Stemolecule™ LDN-193189 (10 mg)	04-0074-10	10 mg
Stemolecule™ LDN-193189 in Solution (2 mg (10 mM))	04-0074-02	2 mg (10 mM)
Stemolecule™ PD0325901		**Stemgent (REPROCELL)**
PD03225901 inhibits mitogen-activated protein kinase (MAPK/ERK kinase or MEK) and demonstrates potential antineoplastic activity.		
Stemolecule™ PD0325901 (2 mg)	04-0006	2 mg
Stemolecule™ PD0325901 (10 mg)	04-0006-10	10 mg
Stemolecule™ PD0325901 in Solution (2 mg (10 mM))	04-0006-02	2 mg (10 mM)
Stemolecule™ Purmorphamine		**Stemgent (REPROCELL)**
Purmorphamine is a Smoothened agonist that promotes the differentiation of human and murine mesenchymal progenitor cells into osteoblasts.	04-0009	5 mg
Stemolecule™ SB431542		**Stemgent (REPROCELL)**
SB421542 is an inhibitor of the transforming growth factor-beta 1 (TGF-β1) activin receptor-like kinases (ALKs).		
Stemolecule™ SB431542 (2 mg)	04-0010	2 mg
Stemolecule™ SB431542 (10 mg)	04-0010-10	10 mg
Stemolecule™ SB431542 in Solution (5 mg (10 mM))	04-0010-05	5 mg (10 mM)
Stemolecule™ Sodium Butyrate		**Stemgent (REPROCELL)**
Sodium butyrate (butyric acid sodium salt) has been shown to direct the differentiation of mouse ESCs cells into hepatocytes.	04-0005	500 mg
Stemolecule™ Thiazovivin		**Stemgent (REPROCELL)**
Thiazovivin is a Rho-associated kinase (ROCK) inhibitor that protects human ESCs in the absence of ECM by regulating E-cadherin mediated cell-cell interaction. Also see “ES Cell Cloning & Recovery Supplement – Thiazovivin” (01-0014-500).	04-0017	1 mg
Stemolecule™ Valproic Acid		**Stemgent (REPROCELL)**
Valproic acid is a histone deacetylase (HDAC) inhibitor which improves reprogramming efficiency by at least 100 fold, and it is reported to regulate the differentiation and proliferation of various cell types.	04-0007	5 g

Stemolecule™ Wnt Inhibitor IWP-2		Stemgent (REPROCELL)
Wnt Inhibitor IWP-2 prevents palmitylation of Wnt proteins by Porcupine (Porcn), a membrane-bound O-acyltransferase, thereby blocking Wnt secretion and activity. It also blocks phosphorylation of the Lrp6 receptor and accumulation of both Dvl2 and β-catenin.	04-0034	2 mg

Stemolecule™ Wnt Inhibitor IWP-3		Stemgent (REPROCELL)
Wnt Inhibitor IWP-3 prevents palmitylation of Wnt proteins by Porcupine (Porcn), a membrane-bound O-acyltransferase, thereby blocking Wnt secretion and activity.	04-0035	2 mg

Stemolecule™ Wnt Inhibitor IWP-4		
Wnt Inhbitor IWP-4 prevents palmitylation of Wnt proteins by Porcupine (Porcn), a membrane-bound O-acyltransferase, thereby blocking Wnt secretion and activity.		
Stemolecule™ Wnt Inhibitor IWP-4 (2 mg)	04-0036	2 mg
Stemolecule™ Wnt Inhibitor IWP-4 (50 mg)	04-0036-50	50 mg

Stemolecule™ XAV939		Stemgent (REPROCELL)
XAV939 is an inhibitor of the Wnt / β-catenin pathway which modulates a number of stem cell behaviors.	04-0046	2 mg

Stemolecule™ Y27632		Stemgent (REPROCELL)
Y27632 is an inhibitor of Rho-associated kinase (ROCK) which is widely used to enhance survival of dissociated PSCs. It is common to supplement cell culture medium with 10 µM of ROCK Inhibitor during cell passage or while establishment of spheroids during the first 24 hours.		
Stemolecule™ Y27632 (2 mg)	04-0012	2 mg
Stemolecule™ Y27632 (10 mg)	04-0012-10	10 mg
Stemolecule™ Y27632 in Solution (2 mg (10 mM))	04-0012-02	2 mg (10 mM)

Growth Factors and Cytokines

https://www.reprocell.com/product-catalog/growth-factors-and-cytokines • **US:** https://www.reprocell.com/growth-factors-and-cytokines-c9

Stemgent® by REPROCELL®

Stemfactor™ Activin A, Human Recombinant		Stemgent (REPROCELL)
Bimodal in action, mature recombinant Activin A has been shown to maintain pluripotency of stem cells and promote differentiation. Crystallography grade (highest purity).	03-0001	5 µg

Stemfactor™ BMP-4, Human Recombinant		Stemgent (REPROCELL)
BMP-4 is involved in tooth and limb development and fracture repair, and is a critical signaling molecule required for the early differentiation of the embryo and establishment of a dorsal-ventral axis.	03-0007	10 µg

Stemfactor™ FGF-basic, Human Recombinant		Stemgent (REPROCELL)
Fibroblast Growth Factor-basic (a.k.a. FGF-basic, FGF-2 or bFGF) plays a central role during development and growth or regeneration of a variety of tissues by promoting cell differentiation and proliferation.	03-0002	50 µg

Stemfactor™ Hepatocyte Growth Factor, Human Recombinant		
HGF is a paracrine growth, motility and morphogenic factor secreted by mesenchymal stem cells and acts primarily on epithelial and endothelial cells, but also haemopoietic progenitors and T-cells. Plays a key role in myogenesis and wound healing.		
Stemfactor™ Hepatocyte Growth Factor, Human Recombinant (25 µL, 1 µg/µL)	03-0019	25 µl,(1 µg/mL)
Stemfactor™ Hepatocyte Growth Factor, Human Recombinant (250 µL, 1 µg/µL)	03-0019-250	250 µl, (1 µg/mL)

Stemfactor™ LIF, Human Recombinant		Stemgent (REPROCELL)
Human LIF is a lymphoid factor that promotes long-term maintenance of the pluripotency of PSCs by suppressing spontaneous differentiation.		
Stemfactor™ LIF, Mouse Recombinant (1 mL, 10 µg/mL)	03-0016	1 ml, 10 µg/mL
Stemfactor™ LIF, Human Recombinant (1 mL, 100 µg/mL)	03-0016-100	1 ml, 100 µg/mL
Stemfactor™ LIF, Mouse Recombinant		**Stemgent (REPROCELL)**
Mouse LIF is a lymphoid factor that promotes long-term maintenance of the pluripotency of mouse PSCs by suppressing spontaneous differentiation.		
Stemfactor™ LIF, Mouse Recombinant (1 mL, 10 µg/mL)	03-0011	1 ml, 10 µg/mL
Stemfactor™ LIF, Human Recombinant (1 mL, 100 µg/mL)	03-0011-100	1 ml, 100 µg/mL

Antibodies and Staining Kits

https://www.reprocell.com/product-catalog/antibodies-and-staining-kits • **US:** https://www.reprocell.com/antibodies-and-staining-kits-c10

REPROCELL®

StemAb™ Anti human Nanog antibody		REPROCELL
Anti-human IgG antibody to Nanog, a molecular pluripotency marker. Generated in rabbit.	RCAB004P-F	100 µL
StemAb™ Anti Mouse Nanog Antibody		**REPROCELL**
A polyclonal anti-mouse antibody to Nanog, a molecular pluripotency marker. Generated in rabbit.	RCAB002P-F	100 µL

Stemgent® by REPROCELL®

StemAb™ Alkaline Phosphatase Staining Kit II		Stemgent (REPROCELL)
Alkaline phosphatase (AP) is expressed at high levels in pluripotent stem cells. AP dephosphorylates nucleotides, proteins, and alkaloids under alkaline conditions. After staining, undifferentiated cells appear red or purple whereas differentiated cells appear colorless.	00-0055	50 assays
StemAb™ Oct4 Antibody (Affinity Purified), Rabbit anti-Mouse/Human		**Stemgent (REPROCELL)**
Rabbit anti-mouse/human antibody to Oct 4, associated with an undifferentiated phenotype in PSCs. Used for demonstrating pluripotency.	09-0023	100 µL

Stem Cell Culture Media

https://www.reprocell.com/pluripotent-stem-cell-psc-culture-media-c14

NutriStem™ by Sartorius®

NutriStem™ hPSC XF Culture Medium			**Sartorius**
NutriStem hPSC XF Culture Medium is a fully-defined, xeno-free, low growth factor concentration, feeder-free culture medium for human embryonic stem (ES) and induced pluripotent stem (iPS) cells. Cells can be cultured for at least 20 passages while retaining pluripotency marker expression, robust proliferation with a normal karyotype, and the ability to differentiate into cells of all three germ layers *in vitro* and *in vivo*.			
	REPROCELL code	*Sartorius code*	
NutriStem™ hPSC XF Culture Medium (500 mL)	01-0005	*05-100-1A*	500 mL
NutriStem™ hPSC XF Culture Medium (100 mL)	01-0005-100	*05-100-1B*	100 mL
MSC NutriStem™ XF Medium			**Sartorius**
Defined, serum-free, xeno-free culture medium designed for optimal growth and expansion of human mesenchymal stem/stromal cells (hMSC) derived from a variety of sources, including bone marrow (BM-MSC), adipose tissue (AT-MSC) and umbilical cord matrix (UC-MSC).	REPROCELL code 01-0006	*Sartorius code* *05-200-1A*	500 mL

MSC NutriStem™ XF Medium, Phenol-Red free			**Sartorius**
Defined, serum-free, xeno-free culture medium designed for optimal growth and expansion of human mesenchymal stem/stromal cells (hMSC) derived from a variety of sources, including bone marrow (BM-MSC), adipose tissue (AT-MSC) and umbilical cord matrix (UC-MSC). (Phenol Red-free.)	REPROCELL code 01-0007	*Sartorius code* *05-202-1A*	500 mL
MSC NutriStem™ XF Supplement Mix			**Sartorius**
A supplement mix to be used with MSC NutriStem XF Basal Medium (01-0006, 01-0007).	REPROCELL code 05-0061	*Sartorius code* *05-760-1-15*	3 mL

REPROCELL®

Primate ES Cell Medium		**REPROCELL**
Serum-free formulation for feeder-dependent ES (embryonic stem) / iPS (induced pluripotent stem) cell culture.	RCHEMD001	500 mL
Note: Basic FGF (bFGF) needs to be purchased separately.		

Cell Substrates

https://www.reprocell.com/product-catalog/cell-substrates • **US:** https://www.reprocell.com/cell-substrates-c17

NutriCoat™ by Sartorius

NutriCoat™ Attachment Solution			**Sartorius**
Clear sterile solution containing human fibronectin (hFN) obtained by affinity purification on gelatine-sepharose from human plasma. Useful for the culture of cells that are not capable of synthesizing their own biomatrix or when culturing cells in serum-free medium.	REPROCELL code 05-0063	*Sartorius code* *05-760-1-15*	1.5 mL

iMatrix™ by Matrixome

Matrixome's iMatrix branded products are proteins or biomaterials that provide scaffolding for mammalian cells to adhere to culture plates for various applications. For example iMatrix-511, a very popular and effective surface matrix for cultivation of induced pluripotent stem cells, is a proteolytic derivative of human laminin that interact swith integrin-protein subtypes which are transmembrane proteins on the surface of human cells. (www.matrixome.co.jp/en/about/background)

iMatrix-511 Stem Cell Culture Substrate — **Matrixome**

iMatrix-511 is a xeno-free, recombinant Laminin-511 E8 Fragment produced in CHO-S cells and used with the StemRNA-3rd Gen Reprogramming Kit (00-0076) to generate iPS cells from fibroblasts, blood or urine.

	REPROCELL code	*Matrixome code*	
iMatrix-511 (350 µg)	NP892-011	*892-011*	175 µg × 2 tubes
iMatrix-511 (1,050 µg)	NP892-012	*892-012*	175 µg × 6 tubes

iMatrix-511 SILK Stem Cell Culture Substrate — **Matrixome**

An alternative iMatrix-511 that is xeno-free, recombinant Laminin-511 E8 Fragment expressed in silkworm for promoting adherence and culture of human iPS cells. iMatrix-511 SILK is similar in performance, but lower in cost relative to NP892-011.

	REPROCELL code	*Matrixome code*	
iMatrix-511 SILK (1,050 µg)	NP892-021	*892-021*	175 µg × 6 tubes

Easy iMatrix-511 Stem Cell Culture Substrate			**Matrixome**
Easy iMatrix-511 is a ready-to-use solution of iMatrix-511. Easy iMatrix-511 is useful for the culture of cells adhering to laminin-511.	REPROCELL code NP892-018	*Matrixome code* *892-018*	100 mL
Easy iMatrix-511 SILK Stem Cell Culture Substrate			**Matrixome**
Easy iMatrix-511 SILK is a ready-to-use solution of iMatrix-511 silk. Easy iMatrix-511 silk is useful for the culture of cells adhering to laminin-511.	REPROCELL code NP892-024	*Matrixome code* *892-024*	100 mL

iMatrix-411 Endothelial Cell Substrate — **Matrixome**

iMatrix-411 is a xeno-free, recombinant Laminin-411 E8 Fragment expressed in CHO-S cells. Laminin-411 is found predominantly in the vascular endothelial basement membrane. Stem cells cultivated on iMatrix-411 are robustly induced to differentiate into endothelial progenitor cells.

	REPROCELL code	*Matrixome code*	
iMatrix-411 (350 µg)	NP892-041	*892-041*	175 µg × 2 tubes
iMatrix-411 (1,050 µg)	NP892-042	*892-042*	175 µg × 6 tubes

iMatrix-332 Corneal Epithelial Cell Culture Substrate — **Matrixome**

iMatrix-332 is a highly purified and refined product of human recombinant laminin-332 (E8 fragment) expressed by CHO-S cells. Laminin 332 supports cells in the epithelial basement membranes, lining the surfaces of the body such as the skin, hair follicles, oral cavity, gastrointestinal and urinary tracts, lungs, and different glands.

	REPROCELL code	*Matrixome code*	
iMatrix-332 (350 µg)	NP892-031	*892-031*	175 µg × 2 tubes
iMatrix-332 (1,050 µg)	NP892-032	*892-032*	175 µg × 6 tubes

iMatrix-221 Cardiac and Myoblast Cell Culture Substrate			**Matrixome**
iMatrix-221 is a xeno-free, recombinant Laminin-221 E8 Fragment expressed in CHO-S cells. Laminins of the α2-isoform are commonly found in the basal lamina of striated muscle and the predominant form found in adult human heart tissue.			
	REPROCELL code	*Matrixome code*	
iMatrix-221 (350 µg)	NP892-061	*892-061*	175 µg × 2 tubes
iMatrix-221 (1,050 µg)	NP892-062	*892-062*	175 µg × 6 tubes

iMatrix-111 Hepatoblast-Like Epithelial Cell Culture Substrate			**Matrixome**
iMatrix-111 is a highly purified and refined product of human recombinant laminin-111 (E8 fragment) expressed by CHO-S cells. Laminin 111 supports the survival, proliferation, and differentiation of many different cell types *in vitro*. However, its distribution after birth is restricted to only a few tissues, such as the brain and kidney.			
	REPROCELL code	*Matrixome code*	
iMatrix-111 (350 µg)	NP892-071	*892-071*	175 µg × 2 tubes
iMatrix-111 (1,050 µg)	NP892-072	*892-072*	175 µg × 6 tubes

iMatrix-Palette Cell Culture Substrate Kit			**Matrixome**
A selection of Recombinant Laminin E8 Fragments.	REPROCELL code NP892-091	*Matrixome code* *NP892-091*	iMatrix 111, 175 µg × 1 tube iMatrix 221, 175 µg × 1 tube iMatrix 332, 175 µg × 1 tube iMatrix 411, 175 µg × 1 tube iMatrix 511 SILK, 175 µg × 1 tube

Nippi®

MatriMix (511) for 3D Culture			**Nippi**
MatriMix (511) is a 3D culture substrate composed of fibrillar collagen, recombinant human laminin-511 E8 fragment, and hyaluronic acid.	REPROCELL code NP899-011	*NIppi code* *899-011*	1 kit

MatriMix for PDX			**Nippi**
MatrtiMix for PDX is a mixture of the biomolecules laminin-511 E8 fragments, collagen type I, and hyaluronic acid, specially formulated to support patient-derived xenograft studies.	REPROCELL code NP899-031	*NIppi code* *899-031*	1 kit

Cryopreservation Media

https://www.reprocell.com/product-catalog/cryopreservation-media • **US:** https://store.reprocell.com/cryopreservation-media-c7

NutriFreez™ by Sartorius®

NutriFreez™ D10 Cryopreservation Medium			**Sartorius**
NutriFreez D10 Cryopreservation Medium is a ready-to-use solution for the animal component-free, xeno-free, serum-free cryopreservation of human embryonic stem (ES), induced pluripotent stem (iPS) and mesenchymal stem cells. The medium contains methylcellulose and DMSO.	REPROCELL code 01-0020-50	*Sartorius code* *05-713-1E*	50 mL

NutriFreez D10 Cryopreservation Medium, Phenol-Red free			**Sartorius**
Ready-to-use, animal component-free, serum-free, and protein-free cell freezing solution optimized for multiple cell lines. Phenol Red-free.	REPROCELL code 01-0031-100	*Sartorius code* *05-714-1B*	100 mL

Dissociation Solutions

https://www.reprocell.com/product-catalog/dissociation-solution • **US:** https://www.reprocell.com/dissociation-solution-c20

REPROCELL®

Dissociation solution for human ES/iPS cells			**REPROCELL**
A gentle detachment solution for iPSC colonies giving much higher viability than trypsin-based dissociation. No scraping required for liberation of iPSC colonies. For both feeder-dependent and feeder-free culture.		RCHETP002	30 mL

Nippi®

Brightase-C/TH

The Brightase C-TH kit is designed for the dissociation of tissues for establishing primary cell cultures. Recombinant collagenase from *Grimontia hollisae* and thermolysin from *Bacillus thermoproteolyticus* are produced by overexpression in *Brevibacillus chosinensis* and are highly purified by chromatography. Separate vials allow adjustments of enzyme ratios for optimization.

Brightase-C/TH				**Nippi**
Kit containing Brightase-C and Brightase-TH. Contents: Brightase-C (40 mg); Brightase-TH (≧ 4 mg)		REPROCELL code NP892-451	*NIppi code* *892-451*	 1 kit
Brightase-C				**Nippi**
Recombinant collagenase from *Grimontia hollisae*, produced using the *Brevibacillus* expression system. Highly purified, highly stable, endotoxin free, and animal derived components free.				
		REPROCELL code	*NIppi code*	
	Brightase-C (40 mg)	NP892-431	*892-431*	40 mg
	Brightase-C (40 mg × 2)	NP892-432	*892-432*	40 mg × 2
Brightase-TH				**Nippi**
Recombinant thermolysin from *Bacillus thermoproteolyticus*, produced using the *Brevibacillus* expression system. Highly purified, highly stable, endotoxin free. and animal derived components free.				
		REPROCELL code	*NIppi code*	
	Brightase-TH (4 mg)	NP892-441	*892-441*	≧ 4 mg
	Brightase-TH (4 mg × 2)	NP892-442	*892-442*	≧ 4 mg × 2

Transfection Reagents

https://www.reprocell.com/product-catalog/transfection-reagents • **US:** https://www.reprocell.com/transfection-reagents-c13

AteloGene™ by Koken®

AteloGene in vivo siRNA/miRNA Quick Gelation Transfection Kit (Local Use)			**KOKEN**
The Atelogene Quick Gelation kit is an improved version of KKN-1394, offering faster protocols and higher efficiencies for the *in vivo* transfection of small RNAs into cells near the injection site in lab animals.	REPROCELL code KKN-1494	*KOKEN code* *1794*	1 kit
AteloGene in vivo siRNA/miRNA Transfection Kit (Systemic Use)			**KOKEN**
The Atelogene Kit for systemic use facilitates the *in vivo* transfection of RNA systemically throughout the host exploiting the circulatory system to deliver throughout the animal.	REPROCELL code KKN-1395	*KOKEN code* *1395*	1 kit

Cells

Induced Pluripotent Stem Cells (iPSCs)

https://www.reprocell.com/product-catalog/induced-pluripotent-stem-cells • **US:** https://www.reprocell.com/induced-pluripotent-stem-cells-ipscs-c11

Stemgent® by REPROCELL®

StemRNA™ Human iPSCs

Ready-to-use IPS Cells made using the cutting-edge StemRNA 3rd Gen Reprogramming Technology. No specialized reprogramming knowledge required.

Help me choose:

Cat. No.	Strain ID	Donor Race	Donor Sex	Donor Age	Donor Clinical Status	Reprogramming Technology	Tissue Source
RCRP004N	RPChiPS8023G1	Hispanic	Female	30	Healthy	StemRNA 3rd Gen	Blood (EPCs)
RCRP005N	RPChiPS7713G1	Caucasian	Male	32	Healthy	StemRNA 3rd Gen	Blood (EPCs)
RCRP006N	RPChiPSSK0011	Asian-Indian	Male	56	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP007N	RPChiPSSK0042	Asian-Indian	Male	65	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP008N	RPChiPSSK0021	Asian-Indian	Female	58	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP009N	RPChiPSBL003	Asian-Indian	Female	20	Healthy	StemRNA 3rd Gen	Blood (EPCs)
RCRP010N	RPChiPSSK0053	Caucasian	Male	56	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP011N	RPChiPSSK0032	Asian-Indian	Female	20	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP012N	RPChiPSSK0064	Filipino	Male	30	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)
RCRP031N	RPChiPSSK014	Asian	Male	46	Healthy	StemRNA 3rd Gen	Skin (Fibroblasts)

StemRNA Human iPSC 802-3G			**Stemgent (REPROCELL)**
RPChiPS8023G1 iPSCs reprogrammed from EPCs derived from blood ethically sourced from a Hispanic female, aged 30.	RCRP004N	1×10^6 cells	
StemRNA Human iPSC 771-3G			**Stemgent (REPROCELL)**
RPChiPS7713G1 iPSCs reprogrammed from EPCs derived from blood ethically sourced from a Caucasian male, aged 32.	RCRP005N	1×10^6 cells	
StemRNA Human iPSC SK001.1			**Stemgent (REPROCELL)**
RPChiPSSK0011 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Asian-Indian male, aged 56.	RCRP006N	1×10^6 cells	
StemRNA Human iPSC SK004.2			**Stemgent (REPROCELL)**
RPChiPSSK0042 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Asian-Indian male, aged 65.	RCRP007N	1×10^6 cells	
StemRNA Human iPSC SK002.1			**Stemgent (REPROCELL)**
RPChiPSSK0021 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Asian-Indian female, aged 58.	RCRP008N	1×10^6 cells	

StemRNA Human iPSC BL003		**Stemgent (REPROCELL)**
RPChiPSBL003 iPSCs reprogrammed from EPCs derived from blood ethically sourced from an Asian-Indian female, aged 20.	RCRP009N	1×10^6 cells
StemRNA Human iPSC SK005.3		**Stemgent (REPROCELL)**
RPChiPSSK0053 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Caucasian male, aged 56.	RCRP010N	1×10^6 cells

StemRNA Human iPSC SK003.2		Stemgent (REPROCELL)
RPChiPSSK0032 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from a Asian-Indian female, aged 20.	RCRP011N	1 × 10^6 cells
StemRNA Human iPSC SK006.4		**Stemgent (REPROCELL)**
RPChiPSSK0064 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Filipino male, aged 30.	RCRP012N	1 × 10^6 cells
StemRNA Human iPSC SK014		**Stemgent (REPROCELL)**
RPChiPSSK014 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Asian male, aged 46.	RCRP031N	1 × 10^6 cells

Mesenchymal Stem Cells (MSCs)

https://www.reprocell.com/product-catalog/mesenchymal-stem-cells • **US:** https://store.reprocell.com/mesenchymal-stem-cells-mscs-c22

Stemgent™ by REPROCELL®

REPROCELL's Ready-to-use mesenchymal stem cells (also called Mesenchymal Stromal Cells) are ideal for differentiation projects.

Help me choose:

Cat. No.	Product Name	Strain ID	Donor Race	Donor Sex	Donor Age	Donor Clinical Status	MSC Source	Phenol Red-free?
RCRP025	Repro MSC3	RPChMSC003	Asian-Indian	Female	20	Healthy	Derived from iPSC Strain RPChiPSSK003.2 (Cat No RCRP011N)	
RCRP026	Repro MSC4	RPChMSC003	Asian-Indian	Female	20	Healthy	Derived from iPSC Strain RPChiPSSK003.2 (Cat No RCRP011N)	Phenol Red-free

Repro MSC3 iPSC-derived MSCs		Stemgent (REPROCELL)
Ready to use Mesenchymal Stem Cells (MSCs).	RCRP025	1 × 10^6 cells
Repro MSC3 iPSC-derived MSCs, Phenol Red-free		**Stemgent (REPROCELL)**
Ready to use Mesenchymal Stem Cells (MSCs) (Phenol Red-free).	RCRP026	1 × 10^6 cells

Cellcolabs®

Cellcolabs is backed by more than 20 years of research from the Karolinska Institute, Sweden, to produce high-quality human MSCs at large scale.

Human Bone Marrow MSCs			Cellcolabs
Primary Human Bone Marrow MSCs, Research Grade. These cells are ideal for research and disease modeling in multiple research areas from cardiovascular disease to arthritis to GVHD in organ transplants.			
	REPROCELL code	*Cellcolabs code*	
Primary Human Bone Marrow MSCs, Research Grade	CC-BM-hMSC-1	*BM-hMSC-1*	1 × 10^6 cells
Primary Human Bone Marrow MSCs, Research Grade	CC-BM-hMSC-10	*BM-hMSC-10*	10 × 10^6 cells

Differentiated iPSCs and Related Reagents

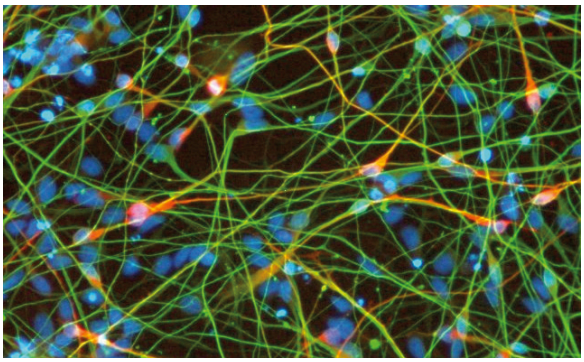
https://www.reprocell.com/product-catalog/differentiated-ipscs-and-related-reagents • **US:** https://store.reprocell.com/differentiated-ipscs-and-related-reagents-c18

Stemgent® by REPROCELL®

StemRNA™ Neuro

StemRNA Neuro* are frozen, iPSC-derived human brain cell neurons (wild type) for use in 96-well high throughput and high content neurotoxicity assays and are functional for *in vitro* neurotoxicity assays and drug discovery. After thawing, StemRNA Neuro cells rapidly differentiate into neurons during *in vitro* growth and maturation. The neurons form dendritic connections leading to synchronized burst behavior around week 6 in vitro and are responsive to various reference compounds that modulate neuron electrophysiology. Cells expresses multiple neuron-specific markers, indicating a mixed population of neuron types.

*StemRNA Neuro was formerly known as ReproNeuro (by REPROCELL).



StemRNA Neuro – iPSC Derived Human Neurons		**Stemgent (REPROCELL)**
A mixed population of brain-like, iPSC-derived human neurons expressing a wide range of neuronal and synaptic markers. Maturation in Neuro Culture Medium or Neuro MQ Culture Medium is required. Vial contents provide enough cells for an entire 96-well plate.	RCDN001N	3×10^6 cells
StemRNA Sensory Neurons		**Stemgent (REPROCELL)**
iPSC-derived neurons that express sensory markers and respond to nociceptive ligands like capsaicin or menthol, making them ideal for disease modeling and drug screening. Maturation in Sensory Neuron Culture Medium is required.	RCDN004N	1×10^6 cells
Neuro Culture Medium		**Stemgent (REPROCELL)**
Medium for broad cell type maturation of StemRNA Neuro (product # RCDN001), StemRNA Neuro AD-Mutation (RCDN002N), StemRNA Neuro AD-Patient (RCDN003P) before use of the cells in assays.	RCDN101	40 mL
Neuro MQ Medium		**Stemgent (REPROCELL)**
Highly functional rat-astrocyte conditioned medium for neuronal cell maturation. Shows elevated microelectrode array (MEA) performance and boosted electrophysiological drug responsiveness.	RCDN102	40 mL
Sensory Neuron Medium		**Stemgent (REPROCELL)**
Medium to support the maturation of StemRNA Sensory Neurons (RCDN101).	RCDN104	40 mL
Neuro Coat		**Stemgent (REPROCELL)**
Highly functional rat-astrocyte conditioned medium for neuronal cell maturation. Shows elevated microelectrode array (MEA) performance and boosted electrophysiological drug responsiveness.	RCDN201	150 µL

NeuCyte® SynFire® Induced Neurons

https://www.reprocell.com/product-catalog/synfire-induced-neurons • **US:** https://store.reprocell.com/synfire-neucyte-labs-m15

SynFire® by NeuCyte Labs®

SynFire neurons from Neucyte Labs are pure and ready-to-use iPSC-derived glutamatergic or GABAergic induced neurons (iNs) and astroglia. This platform most closely resembles real human neurobiology observed in primary cultures, providing the ability to effectively study the function of human neurons *in vitro*.

Cat. No.	Procuct Name	GABAergic Induced Neurons	Glutamatergic Induced Neurons	Astroglia	Media
NC1001-x	SynFire Glutamatergic Induced Neuron Kit		✓	✓	✓
NC1002-x	SynFire GABAergic Induced Neuron Kit	✓		✓	✓
NC1010-x	Synfire Induced Neuron Co-Culture Kit	✓	✓	✓	✓
NC2020-x	SynFire Induced Neuron Media Kit				✓

SynFire® Glutamatergic Induced Neuron Kit — **NeuCyte Labs**

Co-culture kits containing glutamatergic induced neurons, astroglia, and all of the media necessary to establish a co-culture model for functional neuron studies. Available in two sizes, small (Cat. No. NC1001-10) and large (Cat. No. NC1001-50).

	REPROCELL code	*NeuCyte code*	
SynFire® Glutamatergic Induced Neuron Kit (small)	NC1001-10	*1001-10*	1 kit (small)
SynFire® Glutamatergic Induced Neurons (small)	NC1001-20	*1001-20*	1 vial (1.5 million cells)
SynFire® Glutamatergic Induced Neuron Kit (large)	NC1001-50	*1001-50*	1 kit
SynFire® Glutamatergic Induced Neurons (large)	NC1001-60	*1001-60*	1 vial (3.5 million cells)

SynFire® GABAergic Induced Neuron Kit — **NeuCyte Labs**

Co-Culture kits containing GABAergic induced neurons, astroglia, and all of the media necessary to establish a co-culture model for functional neuron studies. Available in two sizes, small (Cat. No. NC1001-10) and large (Cat. No. NC1001-50).

	REPROCELL code	*NeuCyte code*	
SynFire® GABAergic Induced Neuron Kit (small)	NC1002-10	*1002-10*	1 kit (small)
SynFire® GABAergic Induced Neurons (small)	NC1002-20	*1002-20*	1 vial (1.5 million cells)
SynFire® GABAergic Induced Neuron Kit (large)	NC1002-50	*1002-50*	1 kit
SynFire® GABAergic Induced Neurons (large)	NC1002-60	*1002-60*	1 vial (3.5 million cells)

SynFire® Induced Neuron Co-Culture Kit — **NeuCyte Labs**

Co-culture kits containing glutamatergic induced neurons, astroglia, and all of the media necessary to establish a co-culture model for functional neuron studies. Available in two sizes, small (Cat. No. NC1001-10) and large (Cat. No. NC1001-50).

	REPROCELL code	*NeuCyte code*	
SynFire® Induced Neuron Co-Culture Kit (basic)	NC1010-1.5	*1010-1.5*	1 basic kit
SynFire® Induced Neuron Co-Culture Kit (MEA)	NC1010-7.5	*1010-7.5*	1 MEA kit

SynFire® Induced Neuron Media — **NeuCyte Labs**

Media kits providing additional media (over what is included in the neuron kit) to support the culture of GABAergic (Cat. No. NC1002-10), glutamatergic (Cat. No. NC1001-10), and mixed induced neurons (Cat. No. NC1010-1.5).

	REPROCELL code	*NeuCyte code*	
SynFire® Induced Neuron Media (small)	NC2010-10	*1010-1.5*	1 kit (small)
SynFire® Induced Neuron Media (large)	NC2010-20	*1010-7.5*	1 kit (large)
SynFire® Induced Neuron Media (long term maintenance)	NC2003-1		1 kit (long term maintenance)

SynFire® Astroglia				NeuCyte Labs
Human astrocytes, cryopreserved.				
		REPROCELL code	*NeuCyte code*	
	SynFire® Astroglia (small)	NC1003-1.5	*1003-1.5*	> 1.5×10^6 cells
	SynFire® Astroglia (large)	NC1003-3.5	*1003-3.5*	> 3.5×10^6 cells

SynFire® Astroglia				NeuCyte Labs
Human astrocytes, cryopreserved.				
		REPROCELL code	*NeuCyte code*	
	SynFire® Astroglia (small)	NC1003-1.5	*1003-1.5*	> 1.5×10^6 cells
	SynFire® Astroglia (large)	NC1003-3.5	*1003-3.5*	> 3.5×10^6 cells

SynFire® Seeding Complete Media				NeuCyte Labs
Human astrocytes, cryopreserved.				
		REPROCELL code	*NeuCyte code*	
	SynFire® Seeding Complete Media (small)	NC20011-SDCM	*20011-SDCM*	Seeding basal media enough for 10 mL Seeding supplement enough for 10 mL
	SynFire® Seeding Complete Media (Large)	NC20012-SDCM	*20012-SDCM*	Seeding basal media enough for 20 mL Seeding supplement enough for 20 mL

SynFire® Short Term Complete Media				NeuCyte Labs
SynFire iN culture media used for seeding cells, including both basal medium and supplement.				
		REPROCELL code	*NeuCyte code*	
	SynFire® Short Term Complete Media (small)	NC20021-SDCM	*20021-SDCM*	Short term basal media enough for 20 mL Short term supplement enough for 20 mL
	SynFire® Short Term Complete Media (Large)	NC20022-SDCM	*20022-SDCM*	Short term basal media enough for 40 mL Short term supplement enough for 40 mL

SynFire® Long Term Complete Media				NeuCyte Labs
SynFire iN culture media used for long term culture (small), including both basal medium and supplement.				
	SynFire® Long Term Complete Media	REPROCELL code NC2003-2	*NeuCyte code* *2003-2*	Long term basal media enough for 60 mL Long term supplement enough for 60 mL

Feeder Cells

https://www.reprocell.com/product-catalog/feeder-cells • **US:** https://store.reprocell.com/eeder-cells-c16

REPROCELL®

MEF (3×10^6 cells) × 5			REPROCELL
Very low passage mouse embryonic fibroblast feeder cells. Hugely popular cell type for feeder-dependent culture of iPSC from a wide range of species.		RCHEFC003	(3×10^6 cells) × 5 vials

3D Cell Culture

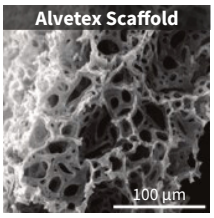
Alvetex® 3D Cell Culture Systems

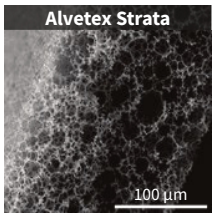
https://www.reprocell.com/3d-cell-culture/alvetex-3d-cell-culture-systems • **US:** https://www.reprocell.com/alvetex-m1

Alvetex® by REPROCELL®

The Alvetex 3D cell culture scaffold is made of highly porous polystyrene – the same material used to make most disposable cell culture plasticware. After coating Alvetex with the extracellular matrix protein of your choice (optional), mammalian cells will adhere and grow on the surface of the device or within the porous matrix, depending upon the device and application.

For protocols, application notes, publications, webinars and more, visit our website at https://www.reprocell.com/alvetex. Each unit comes in an individual sterile blister pack.





Alvetex Scaffold Multiwell Plates

Alvetex Scaffold 12 Well Plate		**Alvetex (REPROCELL)**
The Alvetex Scaffold 12 Well Plate is primarily suitable for short term culture experiments where the medium is replaced every 1-2 days. Comprised of a single loose disc and clip per well in a 12 well plate.	AVP002-2 AVP002-10 AVP002-80	2 plates 10 plates 80 plates
Alvetex Scaffold 24 Well Plate		**Alvetex (REPROCELL)**
The Alvetex Scaffold 24 Well Plate is primarily suitable for short term culture experiments where the medium is replaced every 1-2 days. Comprised of a single loose disc and clip per well in a 24 well plate.	AVP006-2 AVP006-10 AVP006-80	2 plates 10 plates 80 plates
Alvetex Scaffold 96 Well Plate		**Alvetex (REPROCELL)**
The Alvetex Scaffold 96 Well Plate is comprised of a black plate, clear plastic base, with Alvetex Scaffold at the bottom of each well. Compatible with many cell viability assays, cell counting techniques and RNA/protein isolation.	AVP009-2 AVP009-10 AVP009-80	2 plates 10 plates 80 plates

Alvetex Scaffold Well Inserts

Alvetex Scaffold 6 Well Insert		**Alvetex (REPROCELL)**
The Alvetex 6 Well Insert enables long term 3D culture. Cells can receive media nutrients from above and below the membrane. Comprised of an Alvetex well insert containing Alvetex Scaffold (the insert is designed to hang in a well of a 6 well plate).	AVP004-12 AVP004-48 AVP004-96	12 inserts 48 inserts 96 inserts
Alvetex Scaffold 12 Well Insert		**Alvetex (REPROCELL)**
The Alvetex 12 Well Insert enables long term 3D culture. Cells can receive media nutrients from above and below the membrane. Comprised of an Alvetex well insert containing Alvetex Scaffold (the insert is designed to hang in a well of a 6 well plate or a 12 well plate).	AVP005-12 AVP005-48 AVP005-96	12 inserts 48 inserts 96 inserts
Alvetex Scaffold 24 Well Insert		**Alvetex (REPROCELL)**
The Alvetex 24 Well Insert enables long term 3D culture. Cells can receive media nutrients from above and below the membrane. Comprised of an Alvetex well insert containing Alvetex Scaffold (the insert is designed to hang in a well of a 12 well plate or a 24 well plate).	AVP012-12 AVP012-48 AVP012-96	12 inserts 48 inserts 96 inserts

Alvetex Strata Well Inserts

Alvetex Strata 6 Well Insert		Alvetex (REPROCELL)
The Alvetex Strata 6 Well Insert enables long term 3D culture. Cells can receive media nutrients from above and below the membrane. Comprised of an Alvetex well insert containing Alvetex Strata (the insert is designed to hang in a well of a 6 well plate).	STP004-12 STP004-48 STP004-96	12 inserts 48 inserts 96 inserts
Alvetex Strata 12 Well Insert		**Alvetex (REPROCELL)**
The Alvetex Strata 12 Well Insert enables long term 3D culture. Cells can receive media nutrients from above and below the membrane. Comprised of an Alvetex well insert containing Alvetex Strata (the insert is designed to hang in a well of a 6 well plate or a 12 well plate).	STP005-12 STP005-48 STP005-96	12 inserts 48 inserts 96 inserts

Alvetex Tools

Alvetex Well Insert Holder/Petri Dish		Alvetex (REPROCELL)
The well insert holder is capable of housing up to three well inserts (6 or 12 well inserts) in a deep Petri dish. Comprised of an Alvetex well insert holder and one deep Petri dish with lid.	AVP015-2 AVP015-10	2 units 10 units
Alvetex Perfusion Plate		**Alvetex (REPROCELL)**
The Alvetex Perfusion Plate allows scientists to create cell based models that are similar to the environment experienced by cells and tissue *in vivo*. Comprised of a perfusion plate with two Luer locks (pump and tubing is not included).	AVP011-2 AVP011-10	2 plates 10 plates

Alvetex Perfusion Plate with Alvetex 12 Well Inserts

Alvetex Kits

Alvetex Scaffold Well Plate Starter Kit		Alvetex (REPROCELL)
1 × 12 well plate / 1 × 24 well plate / 1 × 96 well plate	AVP-KIT-1	1 kit
Alvetex Scaffold Well Insert Starter Kit		**Alvetex (REPROCELL)**
6 × 6 well inserts / 6 × 12 well inserts / 1 × holder and deep Petri dish	AVP-KIT-2	1 kit
Alvetex Perfusion Plate and Alvetex Scaffold 6 Well Inserts Kit		**Alvetex (REPROCELL)**
2 × perfusion plates / 12 × 6 well inserts (pump and tubing not included)	AVP-KIT-3	1 kit
Alvetex Perfusion Plate and Alvetex Scaffold 12 Well Inserts Kit		**Alvetex (REPROCELL)**
2 × perfusion plates / 12 × 12 well inserts (pump and tubing not included)	AVP-KIT-4	1 kit
Alvetex Perfusion Plate and Alvetex Scaffold 6 Well Inserts Kit (large)		**Alvetex (REPROCELL)**
5 × perfusion plates / 48 × 6 well inserts (pump and tubing not included)	AVP-KIT-5	1 kit
Alvetex Perfusion Plate and Alvetex Scaffold 12 Well Inserts Kit (large)		**Alvetex (REPROCELL)**
5 × perfusion plates / 48 × 12 well inserts (pump and tubing not included)	AVP-KIT-6	1 kit
Alvetex Strata Well Insert Starter Kit		**Alvetex (REPROCELL)**
6 × 6 well inserts / 6 × 12 well inserts / 1 × holder and deep Petri dish	STP-KIT-2	1 kit

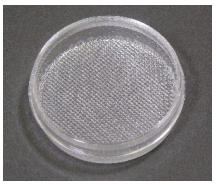
EZSPHERE™ Multi-Well Plates and Dishes

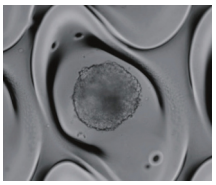
https://www.reprocell.com/product-catalog/ezsphere-by-agc • **US:** https://store.reprocell.com/ezsphere-asahi-glass-corporation-m7

EZSPHERE™ by AGC®

The EZSPHERE multi-well plates and dishes are made from polystyrene plastic coated with a cell/protein repellent SP polymer. The unique feature of EZSPHERE are the laseretched micro-wells that fill the bottom of every plate or dish. In mammalian cell culture, EZSPHERE is used to generate massive numbers of 3D spheroid cell aggregates. The number and sizes of the spheroids will depend upon the dimensions of the microwells, which are offered in many options. Specifications for each item are listed below.

All EZSPHERE products are made by AGC (Asahi Glass Corporation), Japan.





EZSPHERE Dish 35 mm Type 900				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep, 2,300 micro-wells per dish.	REPROCELL code AG4000-900SP	*AGC code* *4000-900SP*	10 dishes	
EZSPHERE Dish 35 mm Type 902				**AGC**
Micro-well specifications: 500 µm diameter, 200 µm deep, 2,300 micro-wells per dish.	REPROCELL code AG4000-902SP	*AGC code* *4000-902SP*	10 dishes	
EZSPHERE Dish 35 mm Type 903				**AGC**
Micro-well specifications: 800 µm diameter, 300 µm deep, 1,000 micro-wells per dish.	REPROCELL code AG4000-903SP	*AGC code* *4000-903SP*	10 dishes	
EZSPHERE Dish 35 mm Type 904				**AGC**
Micro-well specifications: 800 µm diameter, 400 µm deep, 600 micro-wells per dish.	REPROCELL code AG4000-904SP	*AGC code* *4000-904SP*	10 dishes	
EZSPHERE Dish 35 mm Type 905				**AGC**
Micro-well specifications: 140 µm diameter, 600 µm deep, 700 micro-wells per dish.	REPROCELL code AG4000-905SP	*AGC code* *4000-905SP*	10 dishes	
EZSPHERE Dish 60 mm				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep, 5,300 micro-wells per dish.	REPROCELL code AG4010-900SP	*AGC code* *4010-900SP*	10 dishes	
EZSPHERE Dish 100 mm				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep, 14,000 micro-wells per dish.	REPROCELL code AG4020-900SP	*AGC code* *4020-900SP*	10 dishes	
EZSPHERE Microplate 6 well				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep; 2,400 micro-wells per well, 14,400 micro-wells per plate.	REPROCELL code AG4810-900SP	*AGC code* *4810-900SP*	5 plates	
EZSPHERE Microplate 24 well				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep; 2,400 micro-wells per well, 14,400 micro-wells per plate.	REPROCELL code AG4820-900SP	*AGC code* *4820-900SP*	5 plates	
EZSPHERE Microplate 96 well				**AGC**
Micro-well specifications: 400-500 µm diameter, 100-200 µm deep; 80 micro-wells per well, 7,680 micro-wells per plate.	REPROCELL code AG4860-900SP	*AGC code* *4860-900SP*	5 plates	

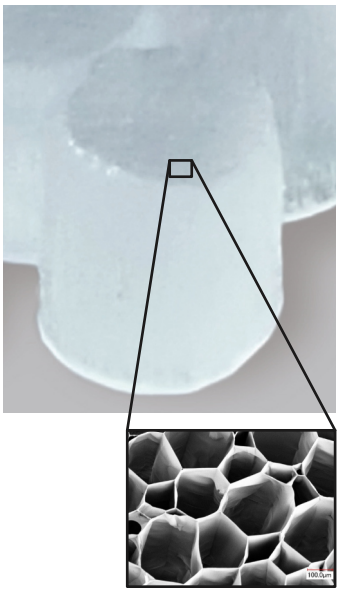
AteloCell® Atelocollagen

https://www.reprocell.com/product-catalog/koken-atelocollagen • **US:** https://store.reprocell.com/ezsphere-asahi-glass-corporation-m7

AteloCell™ by KOKEN®

All Koken Atelocollagen products are all made from highly purified bovine collagen and supplied in various configurations for a variety of uses. The scaffolds, sponges and membranes are made from purified natural materials and support the 3D growth of mammalian cells. Atelocollagen is a truncated, non-immunogenic form of bovine Type 1 collagen (derived from skin), and consequently can be used as a cell growth scaffold for *in vitro* culture and subsequent *in situ* implantation into lab animals.

3D Honeycomb Boosted			**KOKEN**
Koken's AteloCell® 3D Honeycomb Boosted (KKN-3D-HCB) is designed as a scaffold for high density 3D cell culture/cell transplantation.	REPROCELL code KKN-3D-HCB	*KOKEN code* *3D-HCB*	25 pieces
3D Ready Atelocollagen, DMEM, High Glucose			**KOKEN**
Supports stable three-dimensional culture (3D culture) without the need for neutralization or mixing with cell culture medium which is usually required to form atelocollagen gels. 4 mg/mL.	REPROCELL code KKN-3D-HG01 KKN-3D-HG05	*KOKEN code* *3D-HG01* *3D-HG05*	1 bottle (12 mL) 5 bottles (5 × 12 mL)
3D Ready Atelocollagen, DMEM, Low Glucose			**KOKEN**
Supports stable three-dimensional culture (3D culture) without the need for neutralization or mixing with cell culture medium which is usually required to form atelocollagen gels. 4 mg/mL.	REPROCELL code KKN-3D-LG01 KKN-3D-LG05	*KOKEN code* *3D-LG01* *3D-LG05*	1 bottle (12 mL) 5 bottles (5 × 12 mL)



3D Honeycomb Boosted
KKN-3D-HCB

Atelocollagen coated β-TCP scaffold			**KOKEN**
β-calcium phosphate (β-TCP) is coated with Atelocollagen that shows high biocompatibility. A bone prosthetic material for culture of osteoblasts, osteoclasts, etc.	REPROCELL code KKN-ACB-05S	*KOKEN code* *ACB-05S*	10 pieces
Atelocollagen Honeycomb sponge (blocks)			**KOKEN**
Lyophilized Atelocollagen sponge shows a honeycomb structure with high pore density and unidirectional characteristics. This honeycomb structure enables easy delivery of nutrients to cells, and transport of excreted waste products away from cells.	REPROCELL code KKN-CSH-10	*KOKEN code* *CSH-10*	100 mg
Atelocollagen Honeycomb sponge (discs)			**KOKEN**
Lyophilized Atelocollagen sponge shows a honeycomb structure with high pore density and unidirectional characteristics. This honeycomb structure enables easy delivery of nutrients to cells, and transport of excreted waste products away from cells.	REPROCELL code KKN-CSH-96	*KOKEN code* *CSH-96*	25 pieces
Atelocollagen membrane			**KOKEN**
Type 1 Atelocollagen powder, derived from bovine dermis.	REPROCELL code KKN-CLF-01	*KOKEN code* *CLF-01*	1 pieces
Atelocollagen membrane for 24-well culture plate			**KOKEN**
This permeable Atelocollagen membrane for 24-well culture plate allows amino acids and other small molecules can move freely through the permeable collagen membrane.	REPROCELL code KKN-CM-24	*KOKEN code* *CM-24*	24 pieces
Atelocollagen membrane for 6-well culture plate			**KOKEN**
A permeable membrane for 50mm culture dish, 6-well culture plate allows amino acids and other small molecules to move freely.	REPROCELL code KKN-CM-6	*KOKEN code* *CM-6*	24 pieces
Atelocollagen Permeable Membrane for 50 mm Culture Dish			**KOKEN**
A nearly transparent permeable membrane made from Type 1 Atelocollagen, sized for 50mm culture dish. Amino acids and other small molecules can move freely through the permeable collagen membrane. Suitable for culture of primary epithelial cells and cell interaction studies.	REPROCELL code KKN-MEN-01	*KOKEN code* *MEN-01*	5 pieces

Atelocollagen powder				**KOKEN**
Type 1 Atelocollagen powder, derived from bovine dermis.	REPROCELL code KKN-CLP-01	*KOKEN code* *CLP-01*	500 mg	
Atelocollagen sponge				**KOKEN**
Type 1 Atelocollagen sponge, from bovine dermis.	REPROCELL code KKN-CLP-01	*KOKEN code* *CLS-01*	1 sheet	
Atelocollagen sponge, MIGHTY				**KOKEN**
Type 1 Atelocollagen sponge with heightened resistance to compressive loading.	REPROCELL code KKN-CSM-25 KKN-CSM-50	*KOKEN code* *CSM-25* *CSM-50*	25 pieces 50 pieces	
Atelocollagen Type I Acidic Solution				**KOKEN**
Purified Type I Atelocollagen solution (pH 3.0) suitable for culture dish coating and preparing collagen gels. Derived from bovine dermis.	REPROCELL code KKN-IPC-30 KKN-IPC-50	*KOKEN code* *IPC-30* *IPC-50*	3 mg/mL (50 mL) 3 mg/mL (50 mL)	
Atelocollagen Type II Acidic Solution				**KOKEN**
Purified Type II Atelocollagen solution (pH 3.0) suitable for culture dish coating and preparing collagen gels. A non-immunogenic proteolytic fragment derived from bovine cartilage.	REPROCELL code KKN-CL-22	*KOKEN code* *CL-22*	10 mL	
Atelocollagen, DMEM High Glucose				**KOKEN**
A neutral pH solution of highly purified Type 1 Atelocollagen derived from bovine dermis.	REPROCELL code KKN-DME-02H	*KOKEN code* *DME-02H*	20 mL	
Atelocollagen, RPMI 1640				**KOKEN**
A neutral pH solution of highly purified Type 1 Atelocollagen derived from bovine dermis.	REPROCELL code KKN-RPM-02	*KOKEN code* *RPM-02*	20 mL	
Collagen Microspheres				**KOKEN**
A suspension of Type 1 Atelocollagen carrier beads for non-adherent cell culture. Shown to maintain cell function during high density suspension growth of fibroblasts, epithelial cells and osteoblasts.	REPROCELL code KKN-MIC-00	*KOKEN code* *MIC-00*	15 mL	
Collagen sponge for 35mm culture dish				**KOKEN**
Lyophilized collagen sponge made from insoluble type I collagen derived from bovine Achilles tendon.	REPROCELL code KKN-CS-35	*KOKEN code* *CS-35*	5 pieces	

FibColl® Atelocollagen Inserts 24			**KOKEN**
FibColl®: high permeability atelocollagen inserts (24 well inserts). FibColl® Atelocollagen Insert 24 is a novel cell culture insert, sized to fit a standard 24-well plate, that uses a membrane entirely made from atelocollagen. Unlike other collagen-coated plastic membranes, FibColl® pores are not clogged, and the fiber structure of atelocollagen enables cell culture in an in vivo mimicking environment. The microporous structure between atelocollagen fibrils allows the permeation of molecules even over 600 kDa, making it suitable for barrier function assessment and co-culture models.	REPROCELL code KKN-FAI-24	*KOKEN code* *FAI-24*	24 inserts
Native Collagen Acidic Solution (AteloCell)			**KOKEN**
Purified native collagen solution (pH 3.0) suitable for culture dish coating and preparing collagen gels. Derived from bovine dermis.	REPROCELL code KKN-IAC-30 KKN-IAC-50	*KOKEN code* *IAC-30* *IAC-50*	3 mg/mL (50 mL) 3 mg/mL (50 mL)

FibColl® Atelocollagen Inserts 24
KKN-FAI-24

Labware

ABLE® Biott® Bioreactor Systems

https://www.reprocell.com/product-catalog/able-biott-bioreactor-systems • **US:** https://store.reprocell.com/able-biott-m5

ABLE® Biott®

The ABLE Biott 3D Magnetic Stir and Disposable Bioreactor System provides a low-shear, uniform-agitation culture environment optimized for suspension cultivation of stem cells. The 30 mL bioreactor vessel is designed with delta-shaped impellers and a conical shaft, offering ideal spheroid forming culture conditions for iPS cell cultivation and subsequent differentiation in the same flask. Up to six vessels can be used simultaneously on the stirrer platform which is conveniently placed within a cell culture incubator, with the controller box attached to the outside.

Vessel Size:	**5 mL**	**30 mL**	**100 mL**	**500 mL**
Typical cell density:	**10^6 cells**	**10^7 cells**	**10^8 cells**	**10^9 cells**
Product code:	**ABBWVS05A**	**ABBWVS03A**	**ABBWVS10B**	**ABBWVS50B**

Bioreactor Magnetic Stir System Base 5 mL				**ABLE Biott**
Provides consistent, heat-free stirring of 5 mL disposable bioreactors.	REPROCELL code ABBWBP05N0S-6	*ABLE Biott code BWS-S005N0S-6B*	1 unit	
Bioreactor Magnetic Stir System Base 30 mL and 100 mL				**ABLE Biott**
Provides consistent, heat-free stirring of 30 mL and 100mL disposable bioreactors.	REPROCELL code ABBWBP03N0S-6	*ABLE Biott code BWS-S03N0S-6C*	1 unit	
Bioreactor System Controller and Motor				**ABLE Biott**
This controller works with the Able Bioreactor Magnetic Stir System Base (5 mL; Cat. No. ABBWBP05N0S-6) or the Able Bioreactor Stir System Base (30 mL, 100 mL: Cat. No. ABBWBP03N0S-6) to provide consistent, heat-free stirring of disposable bioreactors.	REPROCELL code ABBWDW-1013	*ABLE Biott code DW-1013*	1 unit	
ABLE 5 mL Disposable Bioreactor				**ABLE Biott**
A sterile single-use disposable (5 mL) bioreactor for use with the ABLE 3D Magnetic Stir System.	REPROCELL code ABBWVS05A	*ABLE Biott code BWV-S05A*	Box of 6	
ABLE 30 mL Disposable Bioreactor				**ABLE Biott**
A sterile single-use disposable (5 mL) bioreactor for use with the ABLE 3D Magnetic Stir System.	REPROCELL code ABBWVS03A-6	*ABLE Biott code BWV-S03A*	Box of 6	
ABLE 100 mL Disposable Bioreactor				**ABLE Biott**
A sterile single-use disposable (100 mL) bioreactor for use with the ABLE 3D Magnetic Stir System.	REPROCELL code ABBWVS10B	*ABLE Biott code BWV-S10B*	Box of 4	
ABLE 500 mL Disposable Bioreactor				**ABLE Biott**
A sterile single-use disposable (500 mL) bioreactor.	REPROCELL code ABBWVS50B	*ABLE Biott code BWV-S50D*	1 unit	

Human Tissue Samples

https://www.reprocell.com/human-tissue-samples

The REPROCELL Bioserve Global Biorepository

The global biorepository at REPROCELL (Bioserve) is one of the largest commercial biorepositories in the world.

We have over 600,000 biospecimens collected on four different continents from various nationalities and ethnicities. The samples were collected from 120,000 unique donors under a strict Institutional Review Board (IRB).

All the samples in our global biorepository are anonymized with no link to the donor. Each sample has extensive demographic data including three generations of ethnicity and clinical information collected using a Case Report Form (CRF).

All the donors were consented, so that samples can be used for medical research, commercial research, and nucleic acid analysis, such as sequencing and expression analysis.

Each human tissue sample is accompanied with:

- Detailed demographic information, including family history for three generations
- Gold standard clinical diagnostic information
- Complete drug history, including adverse events
- Full pathology report, including H and E slides
- Complete phenotypic data

Samples consist of fresh frozen tumor and normal adjacent tissues, whole blood, serum, plasma, DNA, RNA and Formalin Fixed Paraffin Embedded (FFPE) blocks from both tumor and normal tissues and various diseases.

Fresh frozen tissues are stored in liquid nitrogen freezers in the vapor phase at −190° C; serum, plasma, and RNA are stored in −80°C freezers; DNAs are stored in −20°C; FFPE blocks are stored at room temperature.

We have access to the human tissue samples you need — or we can procure them

If we don't already have a sample in our global biorepository that meets your exact requirements, we can source what you want. We have a growing network of partners with their own inventories of biospecimens. Plus, we can reach out for you beyond our network to establish even more procurement connections.

The Bioserve Partner Network

The procurement of high-quality, well-annotated, and properly consented biospecimens by the research community is complicated, cumbersome, and too often unsuccessful. Academic, government, and industry researchers often pursue fragmented search strategies ranging from inquiries to academic core facilities, to perusal of commercial vendor inventories, to establishing collaborations directly with health care practitioners for specimen access. Each of these approaches has limitations including limited specimen availability, prohibitive costs, or lack of access to appropriate collaborators.

The Bioserve Partner Network is a collaborative model that effectively reduces these complications. In addition to our global biorepository's inventory of many thousands of samples, our network has a vast and diverse range of human tissue samples. With our Partner Network we have created a single point of contact for the research community, providing unparalleled access to over 1.5 million biospecimens.

Custom Prospective Sample Collections

Even with so many biospecimens available via our BioServe Partner Network, we sometimes get requests for samples that we don't have on hand. In these situations, our Custom Collections services can fulfil our clients' needs.

With our Custom Collections services, we can ask our our entire partner network to explore in multiple localities, so that we can quickly track down and obtain the specific samples you need. If they're out there, we can find them.

- We are experts at new collection site recruitment, training, and monitoring.
- You can get back to your research.
- The job of procuring high quality tissue samples is in good hands.

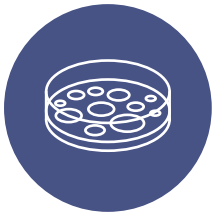
In our Custom Collections we can provide customized case report forms that specify the exact the types of sample data you need. We can also prepare your specimens according to your own protocols and requirements. We can provide short- to long-term specimen storage, either at REPROCELL's state-of-the-art banking facility or at the sample collection site. And, when you are ready to have them sent to you, we can ship your custom biospecimens directly from the storage location on the same day.

Disease types and material available in the REPROCELL Bioserve global repository

Study Description	Tissues	Blood	Serum	Plasma	DNA	RNA	FFPE
Arthritis	✓		✓		✓		
Asthma			✓		✓		
Brain Cancer	✓	✓			✓	✓	✓
Breast Cancer	✓	✓	✓		✓	✓	✓
Breast Cancer (triple Negative)	✓	✓			✓		✓
Cardiovascular	✓		✓		✓		✓
Cervical Cancer	✓	✓	✓		✓	✓	✓
Colon Cancer	✓		✓		✓	✓	✓
Comm. Acquired Pneumonia			✓		✓		
Deep Vein Thrombosis		✓		✓	✓		
Dementia					✓		
Diabetes	✓		✓		✓	✓	✓
Early RA		✓	✓	✓			
End Stage Renal Disease		✓		✓	✓		
Head and Neck Cancer	✓	✓	✓		✓	✓	✓
Hepatic Injury		✓		✓	✓		
IBD			✓				
Leukemia	✓		✓		✓		✓
Lung Cancer	✓	✓	✓	✓	✓	✓	✓
Lupus	✓	✓		✓	✓		
Lymphoma	✓	✓	✓		✓	✓	✓
Multiple Myeloma		✓	✓				
Multiple Sclerosis		✓	✓	✓	✓		
Osteoporosis			✓		✓		
Other GI Cancer	✓	✓	✓		✓	✓	✓
Ovarian Cancer	✓	✓	✓		✓	✓	✓
Prostate Cancer	✓	✓	✓	✓	✓	✓	✓
Renal Cancer		✓	✓	✓	✓		
Rheumatoid Arthritis	✓		✓			✓	✓

✓ indicates samples we have available in our inventory.

REPROCELL's Stem Cell, Drug Discovery and Analytical Services



Research Stem Cell Services

Footprint-free iPSC reprogramming and differentiation.

Preclinical and Drug Discovery CRO

Preclinical drug development using human fresh tissue testing.

Clinical Stem Cell Services

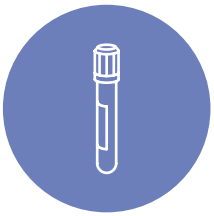
iPSC and MSC GMP Master Cell Banks and Clinical Cell Product Manufacturing.

Clinical Laboratory Services

Comprehensive, personalized solutions for clinical research.

Gene Editing Services

With CRISPR-SNIPER – the most efficient gene editing technique.



Human Tissue Samples

Quality biospecimens linked to detailed clinical and demographic data.

Precision Medicine Services

Revolutionizing the way medicines are developed and selected for patients.

Genomic Services

Intensive customer service from assay design to data delivery.

https://www.reprocell.com/services

Improving human health through biomedical innovation and discovery.