



Product Catalog



<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

Stem Cell Reagents	3	Mesenchymal Stem Cells (MSCs)	21
RNA Reprogramming	3	Immortalized Cells and Related Reagents	22
Small Molecules	3	Feeder Cells	23
Stemfactor Growth Factors and Cytokines	5	3D Cell Culture	24
Qkine Growth Factors and Cytokines	6	Alvetex® 3D Cell Culture Systems	24
Antibodies and Staining Kits	12	EZSPHERE™ Multi-Well Plates & Dishes	26
Stem Cell Culture Media	13	AteloCell™ Atelocollagen	27
Cell Substrates	14	Labware	29
Cryopreservation Media	15	ABLE® Biott® Bioreactor Systems	29
Dissociation Solutions	16	2mag Stirring Systems	30
Transfection Reagents	17	Oligonucleotide Synthesis Service	31
Cells	18	Human Tissue Samples	32
Induced Pluripotent Stem Cells (iPSCs)	18	REPROCELL's Stem Cell, Drug Discovery, and Analytical Services	34
Differentiated iPSCs and Related Reagents	20		

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Stem Cell Reagents

RNA Reprogramming

REPROCELL Global: <https://www.reprocell.com/product-catalog/rna-reprogramming>

REPROCELL USA: <https://store.reprocell.com/rna-reprogramming-c3>

Brand: **StemRNA™** by Stemgent® (REPROCELL®)

 **stemgent**

StemRNA™ 3 rd Gen Reprogramming Kit	StemRNA™
The StemRNA 3 rd 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

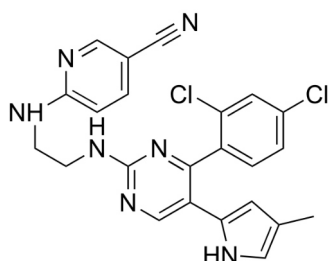
REPROCELL Global: <https://www.reprocell.com/product-catalog/small-molecules>

REPROCELL USA: <https://store.reprocell.com/small-molecules-c1>

Brand: **Stemolecule™** by Stemgent® (REPROCELL®)

 **stemgent**

Stemolecule™ hES Cell Cloning & Recovery Supplement	Stemolecule™
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	Stemolecule™
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.	04-0014 2 mg 04-0014-10 10 mg
Stemolecule™ ALK5 Inhibitor	Stemolecule™
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	Stemolecule™
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 is a highly potent, specific and effective inhibitor of glycogen synthase kinase 3 beta (GSK-3β).	04-0004 2 mg 04-0004-10 10 mg 04-0004-02 2 mg (10 mM)
Stemolecule™ Cyclopamine	Stemolecule™
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™ CHIR99021

Stemolecule™ DAPT		Stemolecule™
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		Stemolecule™
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		Stemolecule™
Doxycycline hyclate (dox) is a broad spectrum antibiotic derivative of tetracycline and an inhibitor of matrix metalloproteinases.	04-0016	10 mg
Stemolecule™ ec23		Stemolecule™
A light-stable pan-RAR receptor agonist that maintains the same biological activity as ATRA (all-trans retinoic acid).	SRP002	5 mg
	SRP002-2	5 mg \times 2
Stemolecule™ Forskolin		Stemolecule™
Forskolin is a natural product adenylate cyclase activator that increases cyclic AMP levels.	04-0025	10 mg
Stemolecule™ KAAD-Cyclopamine		Stemolecule™
KAAD-cyclopamine is a sonic hedgehog antagonist that targets Smoothened, a 7-transmembrane receptor of the hedgehog signaling pathway.	04-0028	100 μ g
Stemolecule™ LDN-193189		Stemolecule™
LDN193189 is a cell permeable, small molecule inhibitor of bone morphogenetic protein (BMP) type I receptors ALK2 and ALK3.	04-0074	2 mg
	04-0074-10	10 mg
	04-0074-02	2 mg (10 mM)
Stemolecule™ PD0325901		Stemolecule™
PD03225901 inhibits mitogen-activated protein kinase (MAPK/ERK kinase or MEK) and demonstrates potential antineoplastic activity.	04-0006	2 mg
	04-0006-10	10 mg
	04-0006-02	2 mg (10 mM)
Stemolecule™ Purmorphamine		Stemolecule™
Purmorphamine is a Smoothened agonist that promotes the differentiation of human and murine mesenchymal progenitor cells into osteoblasts.	04-0009	5 mg
Stemolecule™ SB431542		Stemolecule™
SB421542 is an inhibitor of the transforming growth factor-beta 1 (TGF- β 1) activin receptor-like kinases (ALKs).	04-0010	2 mg
	04-0010-10	10 mg
	04-0010-05	5 mg (10 mM)
Stemolecule™ Sodium Butyrate		Stemolecule™
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		Stemolecule™
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		Stemolecule™
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		Stemolecule™
Wnt Inhibitor IWP-2 prevents palmitoylation of Wnt proteins by Porcupine (Porc), 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		Stemolecule™
Wnt Inhibitor IWP-3 prevents palmitoylation of Wnt proteins by Porcupine (Porc), a membrane-bound O-acyltransferase, thereby blocking Wnt secretion and activity.	04-0035	2 mg

Stemolecule™ Wnt Inhibitor IWP-4		Stemgent (REPROCELL)	
Wnt Inhibitor IWP-4 prevents palmitoylation of Wnt proteins by Porcupine (Porcn), a membrane-bound O-acyltransferase, thereby blocking Wnt secretion and activity.	04-0036	2 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 μ M of ROCK Inhibitor during cell passage or while establishment of spheroids during the first 24 hours.	04-0012	2 mg	
	04-0012-10	10 mg	
	04-0012-02	2 mg (10 mM)	

Stemfactor™ Growth Factors and Cytokines

REPROCELL Global: <https://www.reprocell.com/product-catalog/growth-factors-and-cytokines>

REPROCELL USA: <https://www.reprocell.com/growth-factors-and-cytokines-c9>

Brand: **Stemfactor™** by Stemgent® (REPROCELL®)



Stemfactor™ Activin A, Human Recombinant		Stemfactor™	
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 μ g	
Stemfactor™ BMP-4, Human Recombinant		Stemfactor™	
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 μ g	
Stemfactor™ FGF-basic, Human Recombinant		Stemfactor™	
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 μ g	
Stemfactor™ Hepatocyte Growth Factor (HGF), Human Recombinant		Stemfactor™	
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.	03-0019	25 μ l, (1 μ g/mL)	
	03-0019-250	250 μ l, (1 μ g/mL)	
Stemfactor™ LIF, Human Recombinant		Stemfactor™	
Human LIF is a lymphoid factor that promotes long-term maintenance of the pluripotency of PSCs by suppressing spontaneous differentiation.	03-0016	1 ml, 10 μ g/mL	
	03-0016-100	1 ml, 100 μ g/mL	
Stemfactor™ LIF, Mouse Recombinant		Stemfactor™	
Mouse LIF is a lymphoid factor that promotes long-term maintenance of the pluripotency of mouse PSCs by suppressing spontaneous differentiation.	03-0011	1 ml, 10 μ g/mL	
	03-0011-100	1 ml, 100 μ g/mL	



Qkine® Growth Factors and Cytokines

REPROCELL Global: <https://www.reprocell.com/product-catalog/qkine-growth-factors-and-cytokines>

Brand: **Qkine®**

Qkine

Ethical and sustainable, Qkine's animal origin-free recombinant growth factor and cytokine proteins are overexpressed in *E.coli* and tested to guarantee high levels of purity, excellent lot-to-lot consistency, and correct folding for high levels of bioactivity. All proteins are supplied lyophilized and shipped at ambient temperature, with a reconstitution solution also provided at no cost.

Qkine's large range of cost-effective and reliable proteins are manufactured at scale with full traceability. Applications include stem cell research and maintenance, physiologically relevant organoid models, organ-on-a-chip technologies, and cellular agriculture. Qkine products are used by research institutions, pharma, and biotech companies around the world.



Follistatin-resistant activin A (FRACTA) — Recombinant human/mouse/rat follistatin-resistant activin A (FRACTA) protein			Qkine®
Follistatin-resistant activin A (FRACTA) protein has been engineered to prevent binding to the natural inhibitor, follistatin. <i>In vivo</i> activin A activity is regulated by follistatin, a high-affinity inhibitor; follistatin accumulates in stem cell culture, where it inhibits activin A.	QK035-0025	25 µg	
	QK035-0050	50 µg	
	QK035-0100	100 µg	
	QK035-0500	500 µg	
	QK035-1000	1000 µg	
Activin E PLUS™ — Recombinant human activin E PLUS™ protein			Qkine®
Human recombinant activin E PLUS protein is an optimised biologically active truncation of the mature domain of human activin E protein. Activin E is a member of the transforming growth factor-beta (TGF-β) superfamily, a group of proteins that play key roles in regulating cell growth, differentiation, and inflammation. The tag-free form of activin E PLUS is of significant interest for drug discovery across various fields.	QK067-0025	25 µg	
	QK067-0050	50 µg	
	QK067-0100	100 µg	
	QK067-0500	500 µg	
	QK067-1000	1000 µg	
BDNF — Recombinant human BDNF protein			Qkine®
Brain-derived neurotrophic factor (BDNF) is a member of neurotrophin family and plays a crucial role in neural development, maintenance, and function. It stimulates neurogenesis and is also a major regulator of synaptic plasticity and neuroprotection. It is used to maintain neurons and differentiate and mature human pluripotent stem cell-derived neural progenitors to cortical and motor neurons and cortical organoids.	QK050-0025	25 µg	
	QK050-0050	50 µg	
	QK050-0100	100 µg	
	QK050-0500	500 µg	
	QK050-1000	1000 µg	
BMP-2 — Recombinant human/mouse/rat/bovine/porcine BMP-2 protein			Qkine®
Human recombinant BMP-2 protein (bone morphogenetic protein 2) protein is member of the TGFβ family and a key regulator of embryogenesis and potent differentiation factor of embryonic stem cells (ESC) and induced pluripotent stem cells (iPSC) towards endoderm fates. BMP-2 plays roles in the differentiation of mesenchymal cells to adipocytes, epithelial cancer EMT, chondrogenesis and regulation of neuronal and glial cell development.	QK007-0025	25 µg	
	QK007-0050	50 µg	
	QK007-0100	100 µg	
	QK007-0500	500 µg	
	QK007-1000	1000 µg	
CNTF — Recombinant human CNTF protein			Qkine®
Brain-derived neurotrophic factor (BDNF) is a member of neurotrophin family and plays a crucial role in neural development, maintenance, and function. It stimulates neurogenesis and is also a major regulator of synaptic plasticity and neuroprotection. It is used to maintain neurons and differentiate and mature human pluripotent stem cell-derived neural progenitors to cortical and motor neurons and cortical organoids.	QK063-0050	25 µg	
	QK063-0050	50 µg	
	QK063-0100	100 µg	
	QK063-0500	500 µg	
	QK063-1000	1000 µg	
DKK-1 — Recombinant human DKK-1 protein			Qkine®
Dickkopf-related protein 1 (DKK-1) is a key player in the Wnt signaling pathway and regulates embryonic development, tissue balance, and diseases, including cancer. DKK-1 is a member of the DKK protein family and acts as a potent Wnt pathway antagonist.	QK068-0025	25 µg	
	QK068-0050	50 µg	
	QK068-0100	100 µg	
	QK068-0500	500 µg	
	QK068-1000	1000 µg	

EGF — Recombinant human EGF protein			Qkine®
Human epidermal growth factor (EGF) protein is a potent EGF-family growth factor used in many human and mouse organoid and stem cell culture systems including intestinal and tumor organoid culture. EGF is also used in epithelial cell culture.	QK011-0100	100 µg	
	QK011-0500	500 µg	
	QK011-1000	1000 µg	
FGF-1 — Recombinant human FGF-1 protein			Qkine®
Fibroblast Growth Factor 1 (FGF-1) can stimulate growth and differentiation of endothelial and epithelial cells and the development of organoids. FGF-1 can also be used for the maintenance of oligodendrocytes and astroglia as well as bone marrow-derived mesenchymal and hematopoietic stem cells.	QK071-0050	50 µg	
	QK071-0100	100 µg	
	QK071-0500	500 µg	
	QK071-1000	1000 µg	
FGF2-G3 (145 aa) — Recombinant FGF2-G3 (145 aa) protein			Qkine®
FGF2-G3 (145 aa) protein is a thermostable engineered form of FGF-2 (bFGF). Qk052 comprises the 145 aa form of FGF-2 (Qk025) with the nine amino acid substitutions developed by Dvorak et al. 2018. This increases the functional half-life of the protein from <10 h (wild-type) to >7 days (FGF2-G3 145 aa).	QK052-0050	50 µg	
	QK052-0100	100 µg	
	QK052-0500	500 µg	
	QK052-1000	1000 µg	
FGF2-G3 (154 aa) — Recombinant FGF2-G3 (154 aa) protein			Qkine®
Recombinant FGF2-G3 (FGF2-STAB®) protein is a thermostable engineered form of FGF-2 (bFGF). Qk053 is the 154 aa mature domain of FGF-2 (Qk027) with nine amino acid substitutions to enhance stability without impacting bioactivity developed by Dvorak et al. 2018. This increases the functional half-life of the protein from <10 h (wild-type) to >7 days (FGF2-G3).	QK053-0050	50 µg	
	QK053-0100	100 µg	
	QK053-0500	500 µg	
	QK053-1000	1000 µg	
FGF-4 — Recombinant human FGF-4 protein			Qkine®
Human fibroblast growth factor 4 (FGF-4) protein is used for the proliferation and differentiation of embryonic and induced-pluripotent and tissue (mesenchymal) stem cells and promotes neural stem cell proliferation. Recombinant FGF-4 is an important component of cardiac, intestinal and other organoid culture media.	QK004-0025	25 µg	
	QK004-0050	50 µg	
	QK004-0100	100 µg	
	QK004-0500	500 µg	
	QK004-1000	1000 µg	
FGF-8a — Recombinant human FGF-8a protein			Qkine®
Fibroblast growth factor 8a (FGF-8a) is a member of the FGF family and plays a key role in the regulation of embryogenesis, cellular proliferation, differentiation, and migration. FGF-8a is often used for the differentiation of induced pluripotent stem cells, embryonic stem cells, and neural stem cells.	QK059-0025	25 µg	
	QK059-0050	50 µg	
	QK059-0100	100 µg	
	QK059-0500	500 µg	
	QK059-1000	1000 µg	
FGF-8b — Recombinant human FGF-8b protein			Qkine®
Fibroblast growth factor 8b (FGF-8b) is a member of the FGF family involved in the regulation of embryogenesis, cellular proliferation, differentiation, and migration. FGF-8b is commonly used for the differentiation of induced pluripotent stem cells into neural cell types and brain organoid cultures.	QK057-0025	25 µg	
	QK057-0050	50 µg	
	QK057-0100	100 µg	
	QK057-0500	500 µg	
	QK057-1000	1000 µg	
FGF-9 — Recombinant human FGF-9 protein			Qkine®
Human FGF-9 protein is a member of the fibroblast growth factor (FGF) family, FGF-9 is involved in many developmental processes including neural and skeletal development. Recombinant FGF-9 is used frequently in the generation of kidney organoids.	QK039-0025	25 µg	
	QK039-0050	50 µg	
	QK039-0100	100 µg	
	QK039-0500	500 µg	
	QK039-1000	1000 µg	
FGF-10 — Recombinant human/rat/bovine/porcine FGF-10 protein			Qkine®
Human/rat/porcine/bovine fibroblast growth factor 10 (FGF-10) protein promotes lung organoid formation and induces branching morphology. FGF-10 protein is used widely in organoid culture, embryonic stem cell (ESC) and induced-pluripotent stem cell (iPSC) differentiation, and for the study of epithelial to mesenchymal transition (EMT) and tumor metastasis.	QK003-0025	25 µg	
	QK003-0050	50 µg	
	QK003-0100	100 µg	
	QK003-0500	500 µg	
	QK003-1000	1000 µg	
FGF-18 — Recombinant human FGF-18 protein			Qkine®
Fibroblast growth factor 18 (FGF-18), a member of the FGF family, characterized by its heparin-binding properties plays a significant role in regulating diverse biological processes such as embryonic development, skeletal and bone development, cartilage maintenance, angiogenesis and tissue repair.	QK069-0025	25 µg	
	QK069-0050	50 µg	
	QK069-0100	100 µg	
	QK069-0500	500 µg	
	QK069-1000	1000 µg	

Flt-3 Ligand — Recombinant human Flt-3 Ligand / Flt3L protein			Qkine®
Fms-like tyrosine kinase 3 ligand (Flt-3 Ligand or Flt3L) is a cytokine that is involved in the regulation of hematopoiesis. It stimulates the survival, proliferation, and differentiation of various early myeloid and lymphoid progenitor cells. Flt3L is commonly used in the differentiation of hematopoietic stem cells into dendritic cells.	QK087-0025	25 µg	
	QK087-0050	50 µg	
	QK087-0100	100 µg	
	QK087-0500	500 µg	
	QK087-1000	1000 µg	
G-CSF — Recombinant human G-CSF protein			Qkine®
Granulocyte colony-stimulating factor (G-CSF) is a member of the hematopoietic growth factor family which plays a crucial role in the proliferation, differentiation, and maturation of committed progenitor cells to granulocytes, such as neutrophils.	QK074-0025	25 µg	
	QK074-0050	50 µg	
	QK074-0100	100 µg	
	QK074-0500	500 µg	
	QK074-1000	1000 µg	
GDF-5 — Recombinant human GDF-5 protein			Qkine®
Growth differentiation factor 5 (GDF-5) plays a crucial role during embryonic development and tissue homeostasis and is specifically involved in the development of the skeletal system. Recombinant human GDF-5 protein is commonly used for the differentiation and maintenance of induced pluripotent stem cells, embryonic stem cells, or bone marrow-derived mesenchymal stem cells into osteoblasts and chondrocytes.	QK070-0025	25 µg	
	QK070-0050	50 µg	
	QK070-0100	100 µg	
	QK070-0500	500 µg	
	QK070-1000	1000 µg	
GDF-15 — Recombinant human GDF-15 protein			Qkine®
Human growth differentiation factor 15 (GDF-15) protein is a member of the TGFβ family and subject of intense interest as a marker of cellular stress and for its role in metabolism, cancer and pregnancy. Human GDF-15 also is functional in mouse studies.	QK017-0025	25 µg	
	QK017-0050	50 µg	
	QK017-0100	100 µg	
	QK017-0500	500 µg	
	QK017-1000	1000 µg	
GDNF — Recombinant human GDNF protein			Qkine®
Glial cell line-derived neurotrophic factor (GDNF) is a member of neurotrophin family and GDNF family of ligands (GFL). GDNF plays a crucial role in the development, growth, and survival of neurons in particular midbrain dopaminergic neurons. GDNF is used to maintain neurons and cortical organoids and to differentiate dopaminergic neurons from human pluripotent stem cell-derived neural progenitors. GDNF also facilitates the differentiation of neural progenitors to astrocytes.	QK051-0025	25 µg	
	QK051-0050	50 µg	
	QK051-0100	100 µg	
	QK051-0500	500 µg	
	QK051-1000	1000 µg	
GM-CSF — Recombinant human GM-CSF protein			Qkine®
Granulocyte-macrophage colony-stimulating factor (GM-CSF) is a hematopoietic growth factor involved in the differentiation and activation of monocytes such as macrophages and dendritic cells, and granulocytes such as neutrophils, eosinophils, and basophils.	QK076-0025	25 µg	
	QK076-0050	50 µg	
	QK076-0100	100 µg	
	QK076-0500	500 µg	
	QK076-1000	1000 µg	
Gremlin 1 — Recombinant human/bovine/porcine gremlin 1 protein			Qkine®
Human gremlin 1 protein is a BMP-inhibitor present in the natural intestinal niche and provides an alternative to noggin for optimisation of intestinal organoid culture and iPSC differentiation.	QK015-0050	50 µg	
	QK015-0100	100 µg	
	QK015-0500	500 µg	
	QK015-1000	1000 µg	
IFN-gamma — Recombinant human IFN-gamma protein			Qkine®
IFN-gamma (interferon-gamma) is a cytokine crucial for immune responses, produced by T cells and natural killer cells. It activates macrophages, enhances antigen presentation, and plays a key role in inflammation.	QK117-0050	50 µg	
	QK117-0100	100 µg	
	QK117-0500	500 µg	
	QK117-1000	1000 µg	
IGF-1 — Recombinant human IGF-1 protein			Qkine®
Human insulin-like growth factor 1 (IGF-1) protein is used in the maintenance of human pluripotent stem cells (iPSC) and is necessary for cell growth in the absence of insulin. IGF-1 promotes the proliferation of many cell types, including embryonic stem cells (ESC) and mesenchymal stem cells (MSC).	QK047-0100	100 µg	
	QK047-0500	500 µg	
	QK047-1000	1000 µg	

IGF-1 LR3 — Recombinant human/bovine/porcine IGF-1 LR3 protein		Qkine®
Human insulin-like growth factor 1 long arginine 3 (IGF-1 LR3) protein is a synthetic analog of IGF-1. The substitutions include an arginine substitution and an N-terminal protein extension. Consequently, IGF-1 LR3 has improved biological potency and extended half-life. IGF-1 LR3 can be used for the consistent, reproducible maintenance of human pluripotent stem cells.	QK041-0100	100 µg
	QK041-0500	500 µg
	QK041-1000	1000 µg
IGF-2 — Recombinant human IGF-2 protein		Qkine®
Insulin-like Growth Factor 2 (IGF-2) is a growth factor that promotes cell proliferation, differentiation, and survival, particularly during fetal development. IGF-2 also regulates tissue growth and muscle regeneration.	QK118-0050	50 µg
	QK118-0100	100 µg
	QK118-0500	500 µg
	QK118-1000	1000 µg
IL-1 beta — Recombinant human IL-1 beta protein		Qkine®
Recombinant human interleukin-1 beta (IL-1β) is a pro-inflammatory cytokine and a potent mediator of inflammation and immune responses. It promotes the activation and recruitment of immune cells to sites of infection or injury, such as antigen presenting cells, macrophages, and T lymphocytes. In cell culture, IL-1β is used to stimulate and activate immune cells (macrophages and T cells), maintain hematopoietic progenitor cells, and modulate the differentiation of mesenchymal stem cells.	QK101-0025	25 µg
	QK101-0050	50 µg
	QK101-0100	100 µg
	QK101-0500	500 µg
	QK101-1000	1000 µg
IL-2 — Recombinant human IL-2 protein		Qkine®
Interleukin-2 (IL-2) is a vital cytokine that regulates immune responses by promoting the growth and activation of T-cells, enhancing immune function, and maintaining immune tolerance for immune activation and suppression.	QK089-0050	50 µg
	QK089-0100	100 µg
	QK089-0500	500 µg
	QK089-1000	1000 µg
IL-3 — Recombinant human IL-3 protein		Qkine®
Recombinant Human Interleukin 3 (IL-3) is a pleiotropic cytokine which plays a crucial role in hematopoiesis and acts as a multi-lineage growth factor. As a hematopoietic growth factor, it promotes the proliferation, differentiation, and survival of various hematopoietic stem cells towards myeloid progenitors. IL-3 is commonly used in cell culture to stimulate the differentiation and maturation of human induced pluripotent stem cells towards mast cells, basophils, neutrophils, eosinophils, monocytes, and megakaryocytes.	QK090-0025	25 µg
	QK090-0050	50 µg
	QK090-0100	100 µg
	QK090-0500	500 µg
	QK090-1000	1000 µg
IL-4 — Recombinant human IL-4 protein		Qkine®
Interleukin-4 (IL-4) is a pleiotropic, immune-modulatory cytokine that is secreted primarily by mast cells, T-cells, eosinophils, and basophils. IL-4 plays a crucial role in hematopoiesis, the regulation of antibody production, the stimulation of activated B cell and T cell proliferation, and the differentiation of B cells into plasma cells.	QK092-0025	25 µg
	QK092-0050	50 µg
	QK092-0100	100 µg
	QK092-0500	500 µg
	QK092-1000	1000 µg
IL-6 — Recombinant human IL-6 protein		Qkine®
Interleukin-6 (IL-6) is a multifunctional cytokine that regulates immune responses and inflammation. It is produced by various cells, including immune cells such as T cells and macrophages, as well as non-immune cells like fibroblasts and endothelial cells.	QK093-0025	25 µg
	QK093-0050	50 µg
	QK093-0100	100 µg
	QK093-0500	500 µg
	QK093-1000	1000 µg
IL-7 — Recombinant human IL-7 protein		Qkine®
Interleukin-7 (IL-7) is a vital cytokine essential for immune system regulation, particularly in the development and maintenance of T cells, playing a crucial role in both adaptive and innate immune responses. Recombinant human IL-7 stimulates the development of lymphoid progenitor cells.	QK095-0025	25 µg
	QK095-0050	50 µg
	QK095-0100	100 µg
	QK095-0500	500 µg
	QK095-1000	1000 µg
KGF — Recombinant human KGF (FGF-7) protein		Qkine®
Human KGF protein (FGF-7) is a member of the FGF family. KGF protein is used in the culture of lung, breast, liver, and bladder organoids.	QK046-0025	25 µg
	QK046-0050	50 µg
	QK046-0100	100 µg
	QK046-0500	500 µg
	QK046-1000	1000 µg

M-CSF — Recombinant human M-CSF protein			Qkine®
Macrophage colony-stimulating factor (M-CSF) is a cytokine that regulates the survival, proliferation, differentiation, and functional activation of monocytes, such as macrophages and dendritic cells.	QK075-0025	25 µg	
	QK075-0050	50 µg	
	QK075-0100	100 µg	
	QK075-0500	500 µg	
	QK075-1000	1000 µg	
Noggin — Recombinant human noggin protein			Qkine®
Human noggin is a bone morphogenetic protein (BMP) antagonist which regulates cell differentiation and growth. Noggin is used in the culture of intestinal, pancreatic, lung and tumor-derived organoids and the maintenance of undifferentiated embryonic stem cells (ESC) and for stem cell differentiation into neural and microglial lineages.	QK034-0025	25 µg	
	QK034-0050	50 µg	
	QK034-0100	100 µg	
	QK034-0500	500 µg	
	QK034-1000	1000 µg	
NRG-1 — Recombinant human/bovine/porcine NRG-1 protein			Qkine®
Human NRG-1 protein (neuregulin 1) is frequently used in the maintenance of human pluripotent stem cells. In addition to its widespread use in stem cell culture media, NRG-1 (also known as Heregulin-β1, HRG-1) has essential roles <i>in vivo</i> including in nervous system, cardiac, and mammary gland development; cancer biology and neurological disorders.	QK045-0050	50 µg	
	QK045-0100	100 µg	
	QK045-0500	500 µg	
	QK045-1000	1000 µg	
NT-3 — Recombinant human NT-3 protein			Qkine®
Neurotrophin 3 (NT-3) protein is part of the neurotrophin family and plays a crucial role in embryonic development and the maintenance and neuroprotection of the adult nervous system. NT-3 protein is used in cell culture to promote the differentiation and survival of specific neural subpopulations in both the central nervous system and peripheral nervous system such as sensory neurons, cortical neurons, and oligodendrocytes. It is also involved in the maintenance of endothelial cells and myocardial cells.	QK083-0025	25 µg	
	QK083-0050	50 µg	
	QK083-0100	100 µg	
	QK083-0500	500 µg	
	QK083-1000	1000 µg	
OSM — Recombinant human OSM protein			Qkine®
Human OSM protein (oncostatin M) is used in the differentiation of human pluripotent stem cells into hepatocyte-like cells. OSM also plays roles in osteogenesis and neurogenesis, and is an important regulator of the hematopoietic stem cell niche in the bone marrow.	QK049-0025	25 µg	
	QK049-0050	50 µg	
	QK049-0100	100 µg	
	QK049-0500	500 µg	
	QK049-1000	1000 µg	
PDGF-AA — Recombinant human PDGF-AA protein			Qkine®
Human PDGF-AA (platelet derived growth factor AA) protein is a homodimer of PDGF-A peptide chains. PDGF-AA is commonly used to differentiate human pluripotent stem cell (hPSC)-derived neural progenitor cells into oligodendrocyte precursor cells.	QK043-0025	25 µg	
	QK043-0050	50 µg	
	QK043-0100	100 µg	
	QK043-0500	500 µg	
	QK043-1000	1000 µg	
PDGF-BB — Recombinant human PDGF-BB protein			Qkine®
Human PDGF-BB (platelet derived growth factor BB) protein is a homodimer of PDGF-B peptide chains. Its is a potent mitogen expressed by platelets which stimulates proliferation and angiogenesis and is involved in tissue repair. PDGF-BB increases stem cell proliferation and marker expression and can be used in osteogenic and neural stem cell differentiation.	QK044-0025	25 µg	
	QK044-0050	50 µg	
	QK044-0100	100 µg	
	QK044-0500	500 µg	
	QK044-1000	1000 µg	
R-spondin 1 LR5 — Recombinant human R-spondin 1 LR5 protein			Qkine®
Recombinant human R-spondin 1 LR5 protein is engineered to act as a high affinity ligand for the LGR5 receptor. In epithelial tissues LGR5 marks the stem cell population. This engineered protein, R-spondin 1 LR5, activates Wnt signalling only in the LGR5+ stem cell population.	QK031-0025	25 µg	
	QK031-0050	50 µg	
	QK031-0100	100 µg	
	QK031-0500	500 µg	
	QK031-1000	1000 µg	
R-spondin 1 — Recombinant human R-spondin 1 protein			Qkine®
R-spondin 1 protein (RSPO1) is the prototypic member of the R-spondin family and is used to potentiate Wnt signaling in many organoid culture systems including intestinal and tumor (cancer) organoid culture. R-spondin 1 is also required for hematopoietic stem cell specification and cancer cell migration and survival.	QK006-0025	25 µg	
	QK006-0050	50 µg	
	QK006-0100	100 µg	
	QK006-0500	500 µg	
	QK006-1000	1000 µg	

R-spondin 3 — Recombinant human R-spondin 3 protein			Qkine®
Human R-spondin 3 protein potentiates Wnt signalling in and has been shown to function in crypt regeneration in the intestine and control stem cell and progenitor cell behaviour during kidney development. R-spondin 3 is used alongside R-spondin 1 in intestinal organoid culture systems.	QK032-0025	25 µg	
	QK032-0050	50 µg	
	QK032-0100	100 µg	
	QK032-0500	500 µg	
	QK032-1000	1000 µg	
SCF — Recombinant human SCF protein			Qkine®
Stem Cell Factor (SCF) is a critical factor in the maintenance and expansion of hematopoietic stem cells (HSCs) in the bone marrow microenvironment. Key myeloid progenitor differentiation factor for a variety of myeloid cells such as megakaryocytes, basophils, neutrophils, and monocytes, Stem Cell Factor is also a primary growth and activation factor for mast cells and eosinophils.	QK078-0025	25 µg	
	QK078-0050	50 µg	
	QK078-0100	100 µg	
	QK078-0500	500 µg	
	QK078-1000	1000 µg	
Shh — Recombinant human Shh protein			Qkine®
Sonic hedgehog protein (Shh) is a member of the Hedgehog family with an essential role in embryonic development, tissue regeneration, and tumorigenesis. Shh induces the cell fate and patterning of neural progenitors in ventral domains at various levels in the forebrain, midbrain, hindbrain, and spinal cord. It has many applications in the neural stem cell field where it plays a significant role in differentiating human-induced pluripotent stem cells (iPSC) towards motor neurons and interneurons. Also, it induces the patterning of organoids and embryos in culture.	QK055-0025	25 µg	
	QK055-0050	50 µg	
	QK055-0100	100 µg	
	QK055-0500	500 µg	
	QK055-1000	1000 µg	
TGF-β1 PLUS™ — Recombinant human/bovine/porcine TGF-β1 PLUS™ protein			Qkine®
Transforming growth factor-beta 1 (TGF-β1) is a pleiotropic cytokine that regulates various cellular processes, including cell proliferation, growth, differentiation, motility, and apoptosis. It is an essential growth factor in many embryonic and induced pluripotent stem cell maintenance media, including the commonly used E8, StemPro, and mTeSR media. TGF-β1 also promotes the differentiation of various cell types such as fibroblasts, epithelial cells, and immune cells.	QK010-0025	25 µg	
	QK010-0050	50 µg	
	QK010-0100	100 µg	
	QK010-0500	500 µg	
	QK010-1000	1000 µg	
TGF-β2 — Recombinant human TGF-β2 protein			Qkine®
Transforming Growth Factor beta 2 (TGF-β2), part of the TGF-β superfamily, regulates a wide array of cellular processes, including proliferation, differentiation, wound healing, apoptosis, metabolism, embryogenesis, and tissue repair. It is an essential growth factor in many embryonic and induced pluripotent stem cell culture media.	QK073-0025	25 µg	
	QK073-0050	50 µg	
	QK073-0100	100 µg	
	QK073-0500	500 µg	
	QK073-1000	1000 µg	
TGF-β3 — Recombinant human TGF-β3 protein			Qkine®
Human transforming growth factor beta 3 (TGF-β3) protein is a member of the TGF-β family, a family involved in regulating cell survival, proliferation and differentiation. TGF-β3 is used in human pluripotent stem cell maintenance media.	QK054-0025	25 µg	
	QK054-0050	50 µg	
	QK054-0100	100 µg	
	QK054-0500	500 µg	
	QK054-1000	1000 µg	
TNF-alpha — Recombinant human TNF-alpha protein			Qkine®
Tumor necrosis factor-alpha (TNF-α) is a cytokine involved in cell signaling, primarily produced by immune cells like macrophages. It plays a central role in inflammation, immunity, and regulating cell survival and death.	QK083-0025	25 µg	
	QK083-0050	50 µg	
	QK083-0100	100 µg	
	QK083-0500	500 µg	
	QK083-1000	1000 µg	
VEGF 165 — Recombinant human VEGF 165 protein			Qkine®
Recombinant human vascular endothelial growth factor 165 (VEGF165/ VEGF-165/ VEGF165) protein is widely used in culturing primary endothelial cells, such as human umbilical vein endothelial cells (HUVEC).	QK048-0025	25 µg	
	QK048-0050	50 µg	
	QK048-0100	100 µg	
	QK048-0500	500 µg	
	QK048-1000	1000 µg	
Vitronectin — Recombinant human vitronectin protein			Qkine®
Vitronectin protein is widely used in stem cell culture. It provides a defined environment that supports the maintenance of pluripotency and is suitable for feeder-free culture, expansion, differentiation, and reprogramming of stem cells.	QK120-0500	500 µg	
	QK120-5000	5000 µg	

Antibodies and Staining Kits

REPROCELL Global: <https://www.reprocell.com/product-catalog/antibodies-and-staining-kits>

REPROCELL USA: <https://www.reprocell.com/antibodies-and-staining-kits-c10>

Brand: **StemAb™** by REPROCELL®



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

Brand: **StemAb™** by Stemgent® (REPROCELL®)



StemAb™ Alkaline Phosphatase Staining Kit II	StemAb™	
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	StemAb™	
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

REPROCELL Global: <https://www.reprocell.com/pluripotent-stem-cell-psc-culture-media>

REPROCELL USA: <https://store.reprocell.com/pluripotent-stem-cell-psc-culture-media-c14>

Brand: **NutriStem™** by Sartorius®



NutriStem™ hPSC XF Culture Medium		NutriStem™	
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 <i>in vitro</i> and <i>in vivo</i> .	REPROCELL code	<i>Sartorius code</i>	
	01-0005	05-100-1A	500 mL
	01-0005-100	05-100-1B	100 mL
MSC NutriStem™ XF Medium		NutriStem™	
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	<i>Sartorius code</i>	
	01-0006	05-200-1A	500 mL
MSC NutriStem™ XF Medium, Phenol-Red free		NutriStem™	
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	<i>Sartorius code</i>	
	01-0007	05-202-1A	500 mL
MSC NutriStem™ XF Supplement Mix		NutriStem™	
A supplement mix to be used with MSC NutriStem XF Basal Medium (01-0006, 01-0007).	REPROCELL code	<i>Sartorius code</i>	
	05-0061	05-201-1U	3 mL



Brand: **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

REPROCELL Global: <https://www.reprocell.com/product-catalog/cell-substrates>

REPROCELL USA: <https://www.reprocell.com/cell-substrates-c17>

Brand: **NutriCoat™** by Sartorius



NutriCoat™ Attachment Solution			NutriCoat™
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

Brand: **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 with 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		iMatrix™	
iMatrix-511 is a xeno-free, recombinant Laminin-511 E8 Fragment produced in CHO-S cells and used with the StemRNA-3 rd Gen Reprogramming Kit (00-0076) to generate iPS cells from fibroblasts, blood or urine.	REPROCELL code	Matrixome code	
	NP892-011	892-011	175 µg × 2 tubes
	NP892-012	892-012	175 µg × 6 tubes



iMatrix™-511 SILK Stem Cell Culture Substrate		iMatrix™	
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 NP892-021	Matrixome code 892-021	175 µg × 6 tubes

Easy iMatrix™-511 Stem Cell Culture Substrate			iMatrix™
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			iMatrix™
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		iMatrix™	
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	
	NP892-041	892-041	175 µg × 2 tubes
	NP892-042	892-042	175 µg × 6 tubes

iMatrix™-332 Corneal Epithelial Cell Culture Substrate		iMatrix™	
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	
	NP892-031	892-031	175 µg × 2 tubes
	NP892-032	892-032	175 µg × 6 tubes

iMatrix™-221 Cardiac and Myoblast Cell Culture Substrate				iMatrix™
iMatrix-221 is a xeno-free, recombinant Laminin-221 E8 Fragment expressed in CHO-S cells. Laminins of the $\alpha 2$ -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	
		NP892-061	892-061	175 μ g \times 2 tubes
		NP892-062	892-062	175 μ g \times 6 tubes
iMatrix™-111 Hepatoblast-Like Epithelial Cell Culture Substrate				iMatrix™
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 <i>in vitro</i> . However, its distribution after birth is restricted to only a few tissues, such as the brain and kidney.		REPROCELL code	Matrixome code	
		NP892-071	892-071	175 μ g \times 2 tubes
		NP892-072	892-072	175 μ g \times 6 tubes
iMatrix™-Palette Cell Culture Substrate Kit				iMatrix™
A selection of Recombinant Laminin E8 Fragments.	REPROCELL code NP892-091	Matrixome code NP892-091	iMatrix 111, 175 μ g \times 1 tube iMatrix 221, 175 μ g \times 1 tube iMatrix 332, 175 μ g \times 1 tube iMatrix 411, 175 μ g \times 1 tube iMatrix 511 SILK, 175 μ g \times 1 tube	



Brand: **MatriMix™** by Nippi®



MatriMix™ (511) for 3D Culture				MatriMix™
MatriMix (511) is a 3D culture substrate composed of fibrillar collagen, recombinant human laminin-511 E8 fragment, and hyaluronic acid.		REPROCELL code	Nippi code	
		NP899-001	899-001	1 kit
MatriMix™ for PDX				MatriMix™
MatriMix 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	Nippi code	
		NP899-031	899-031	1 kit

Cryopreservation Media

REPROCELL Global: <https://www.reprocell.com/product-catalog/cryopreservation-media>

REPROCELL USA: <https://store.reprocell.com/cryopreservation-media-c7>

Brand: **NutriFreez™** by Sartorius®



NutriFreez™ D10 Cryopreservation Medium				NutriFreez™
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	Sartorius code	
		01-0020-50	05-713-1E	50 mL
NutriFreez™ D10 Cryopreservation Medium, Phenol-Red free				NutriFreez™
Ready-to-use, animal component-free, serum-free, and protein-free cell freezing solution optimized for multiple cell lines. Phenol Red-free.		REPROCELL code	Sartorius code	
		01-0031-100	05-714-1B	100 mL

Dissociation Solutions

REPROCELL Global: <https://www.reprocell.com/product-catalog/dissociation-solutions>

REPROCELL USA: <https://www.reprocell.com/dissociation-solution-c20>

Brand: **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

Brand: **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 <i>Grimontia hollisae</i> , produced using the <i>Brevibacillus</i> expression system. Highly purified, highly stable, endotoxin free, and animal derived components free.	REPROCELL code NP892-431	Nippi code 892-431	40 mg
	NP892-432	892-432	40 mg \times 2
Brightase-TH			Nippi®
Recombinant thermolysin from <i>Bacillus thermoproteolyticus</i> , produced using the <i>Brevibacillus</i> expression system. Highly purified, highly stable, endotoxin free. and animal derived components free.	REPROCELL code NP892-441	Nippi code 892-441	≥ 4 mg
	NP892-442	892-442	≥ 4 mg \times 2

Transfection Reagents

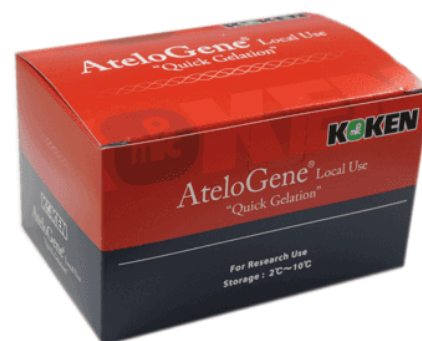
REPROCELL Global: <https://www.reprocell.com/product-catalog/transfection-reagents>

REPROCELL USA: <https://www.reprocell.com/transfection-reagents-c13>

Brand: **AteloGene®** by Koken®

KOKEN

AteloGene® in vivo siRNA/miRNA Quick Gelation Transfection Kit (Local Use)			AteloGene®
The Atelogene Quick Gelation kit is an improved version of KKN-1394, offering faster protocols and higher efficiencies for the <i>in vivo</i> 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)			AteloGene®
The Atelogene Kit for systemic use facilitates the <i>in vivo</i> 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)

REPROCELL Global: <https://www.reprocell.com/product-catalog/induced-pluripotent-stem-cells>

REPROCELL USA: <https://www.reprocell.com/induced-pluripotent-stem-cells-ipscs-c11>

Brand: **StemRNA™** by Stemgent® (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 3 rd Gen	Blood (EPCs)
RCRP005N	RPChiPS7713G1	Caucasian	Male	32	Healthy	StemRNA 3 rd Gen	Blood (EPCs)
RCRP006N	RPChiPSSK0011	Asian-Indian	Male	56	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP007N	RPChiPSSK0042	Asian-Indian	Male	65	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP008N	RPChiPSSK0021	Asian-Indian	Female	58	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP009N	RPChiPSBL003	Asian-Indian	Female	20	Healthy	StemRNA 3 rd Gen	Blood (EPCs)
RCRP010N	RPChiPSSK0053	Caucasian	Male	56	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP011N	RPChiPSSK0032	Asian-Indian	Female	20	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP012N	RPChiPSSK0064	Filipino	Male	30	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP031N	RPChiPSSK014	Asian	Male	46	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP032N	RPChiPSSK012	African-American	Male	22	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP036N	RPChiPSSK013	Caucasian	Male	24	Healthy	StemRNA 3 rd Gen	Skin (Fibroblasts)
RCRP037P	RPChiPSSK015	Caucasian	Male	58	Parkinson's Disease	StemRNA 3 rd Gen	Skin (Fibroblasts)

StemRNA™ Human iPSC 802-3G			StemRNA™
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			StemRNA™
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			StemRNA™
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			StemRNA™
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			StemRNA™
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		StemRNA™
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		StemRNA™
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		StemRNA™
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		StemRNA™
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		StemRNA™
RPChiPSSK014 iPSCs reprogrammed from fibroblasts derived from skin ethically sourced from an Asian male, aged 46.	RCRP031N	1 × 10 ⁶ cells
StemRNA™ Human iPSC SK012StemRNA Human iPSC SK003.2		StemRNA™
Ready to use IPS Cells made using the Cutting-Edge StemRNA 3rd Gen Reprogramming Technology.	RCRP032N	1 × 10 ⁶ cells
StemRNA™ Human iPSC SK013		StemRNA™
Ready to use IPS Cells made using the Cutting-Edge StemRNA 3rd Gen Reprogramming Technology.	RCRP036N	1 × 10 ⁶ cells
StemRNA™ Human iPSC SK015		StemRNA™
Ready to use PD Patient IPS Cells made using the Cutting-Edge StemRNA 3rd Gen Reprogramming Technology.	RCRP037P	1 × 10 ⁶ cells

Differentiated iPSCs and Related Reagents

REPROCELL Global: <https://www.reprocell.com/product-catalog/differentiated-ipscs-and-related-reagents>

REPROCELL USA: <https://store.reprocell.com/differentiated-ipscs-and-related-reagents-c18>

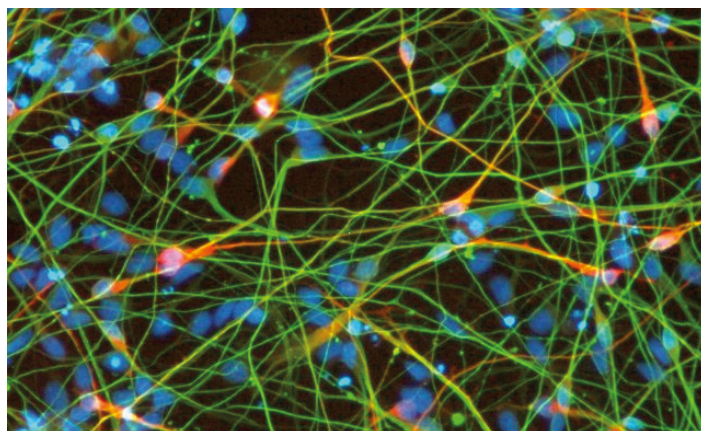
Brand: **StemRNA™** by Stemgent® (REPROCELL®)



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 express 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	StemRNA™	
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	StemRNA™	
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

Brand: **REPROCELL®**



Neuro Culture Medium	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	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	REPROCELL®	
Medium to support the maturation of StemRNA Sensory Neurons (RCDN101).	RCDN104	40 mL
Neuro Coat	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

Mesenchymal Stem Cells (MSCs)

REPROCELL Global: <https://www.reprocell.com/product-catalog/mesenchymal-stem-cells>

REPROCELL USA: <https://store.reprocell.com/mesenchymal-stem-cells-mscs-c22>

Brand: **StemRNA™** by Stemgent® (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
RCRP038	Repro MSC10	Repro MSC10	Caucasian	Female	22	Healthy	Derived from iPSC Strain RPC-LLC-34-F3	Phenol Red-free

Repro MSC3 iPSC-derived MSCs		StemRNA™
Ready to use Mesenchymal Stem Cells (MSCs).	RCRP025	1 × 10 ⁶ cells
Repro MSC4 iPSC-derived MSCs, Phenol Red-free		StemRNA™
Ready to use Mesenchymal Stem Cells (MSCs) (Phenol Red-free).	RCRP026	1 × 10 ⁶ cells
Repro MSC10 iPSC-derived MSCs, Phenol Red-Free		StemRNA™
Ready to use Human Mesenchymal Stem Cells (MSCs) generated from one of our StemRNA™ Clinical Pilot lines, RPC-LLC-34-F3 (established from fibroblasts using the StemRNA RNA Reprogramming Technology).	RCRP038	1 × 10 ⁶ cells



Brand: **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
		CC-BM-hMSC-1	BM-hMSC-1
		CC-BM-hMSC-10	BM-hMSC-10
			1 × 10 ⁶ cells
			10 × 10 ⁶ cells

Immortalized Cell Lines and Related Reagents

REPROCELL Global: <https://www.reprocell.com/product-catalog/immortalized-cell-lines-and-related-reagents>

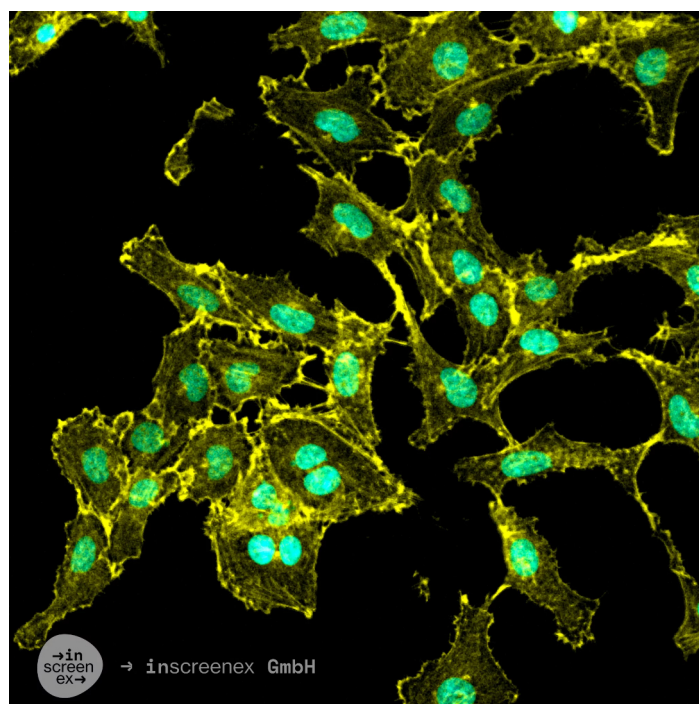
REPROCELL USA: <https://store.reprocell.com/immortalized-cell-lines-and-related-reagents-c23>

Brand: **inscreenex®**



Immortalized human cell lines and associated products from inscreenex GmbH, Braunschweig, Germany.

huAEC Medium Kit for Alveolar Cells		inscreenex®
Medium kit for immortalized human Alveolar cells.	INS-ME-1013-500ml	500 mL
huFIB Medium Kit for CI-huFIB Fibroblasts		inscreenex®
Medium kit for immortalized human fibroblasts.	INS-ME-1001	500 mL
huFIB Serum-free Medium Kit for CI-huFIB Human Fibroblasts		inscreenex®
Serum-free Medium Kit for immortalized human fibroblasts.	INS-ME-1018	500 mL
huOB Differentiation Medium for CI-huOB Osteoblasts		inscreenex®
Differentiation medium for CI-huOB osteoblasts.	INS-ME-1007	500 mL
huOB Maintenance Medium for CI-huOB Osteoblasts		inscreenex®
Maintenance medium for CI-huOB osteoblasts.	INS-ME-1006	500 mL
huVEC Medium Kit for CI-huVEC Endothelial Cells		inscreenex®
Medium kit for CI-huVEC endothelial cells.	INS-ME-1011	500 mL
huThyREC Medium Kit for CI-huThyREC Thyroid Cells		inscreenex®
Medium kit for CI-huThyREC thyroid cells.	INS-SU-1004	500 mL
huAEC Medium Kit for Alveolar Cells		inscreenex®
Medium for cryopreservation of immortalized cells	INS-SU-1017-300ml	500 mL
Coating Solution, 100 mL		inscreenex®
Coating solution for alveolar cells.	INS-SU-1026-100ml	500 mL
CI-huBroBEC Immortalized Human Bronchial Basal Epithelial Cells		inscreenex®
Immortalized human bronchial basal epithelial cells.	INS-CI-1025	500 mL
CI-hAELVi Immortalized Human Alveolar Epithelial Cells		inscreenex®
Immortalized human alveolar epithelial cells.	INS-ME-1013-500ml	500 mL
CI-huArlo Immortalized Human Alveolar Epithelial Cells		inscreenex®
Immortalized human alveolar epithelial cells.	INS-CI-1015	500 mL
CI-huFIB Immortalized Human Fibroblasts		inscreenex®
Immortalized human fibroblasts.	INS-CI-1031	500 mL
CI-huOB Immortalized Human Osteoblasts		inscreenex®
Immortalized human osteoblasts.	INS-CI-1010	500 mL



CI-huVEC Immortalized Human Umbilical Vein Endothelial Cells		inscreenex®
Immortalized human umbilical vein endothelial cells.	INS-CI-1002	500 mL
CI-huThyREC Immortalized Human Thyroid Epithelial Cells		inscreenex®
Immortalized human thyroid epithelial cells.	INS-CI-1017	500 mL

Feeder Cells

REPROCELL Global: <https://www.reprocell.com/product-catalog/feeder-cells>

REPROCELL USA: <https://store.reprocell.com/feeder-cells-c16>

Brand: **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

REPROCELL Global: <https://www.reprocell.com/3d-cell-culture/alvetex-3d-cell-culture-systems>

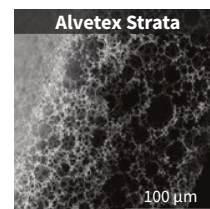
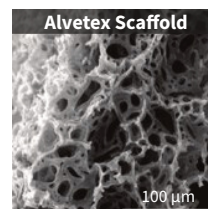
REPROCELL USA: <https://www.reprocell.com/alvetex-m1>



Brand: **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®	
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	2 plates
	AVP002-10	10 plates
	AVP002-80	80 plates
Alvetex Scaffold 24 Well Plate	Alvetex®	
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	2 plates
	AVP006-10	10 plates
	AVP006-80	80 plates
Alvetex Scaffold 96 Well Plate	Alvetex®	
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	2 plates
	AVP009-10	10 plates
	AVP009-80	80 plates

Alvetex Scaffold Well Inserts

Alvetex Scaffold 6 Well Insert	Alvetex®	
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	12 inserts
	AVP004-48	48 inserts
	AVP004-96	96 inserts
Alvetex Scaffold 12 Well Insert	Alvetex®	
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	12 inserts
	AVP005-48	48 inserts
	AVP005-96	96 inserts
Alvetex Scaffold 24 Well Insert	Alvetex®	
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	12 inserts
	AVP012-48	48 inserts
	AVP012-96	96 inserts

Alvetex Strata Well Inserts

Alvetex Strata 6 Well Insert	Alvetex®	
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	12 inserts
	STP004-48	48 inserts
	STP004-96	96 inserts
Alvetex Strata 12 Well Insert	Alvetex®	
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	12 inserts
	STP005-48	48 inserts
	STP005-96	96 inserts

Alvetex Tools

Alvetex Well Insert Holder/Petri Dish	Alvetex®	
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	2 units
	AVP015-10	10 units
Alvetex Perfusion Plate	Alvetex®	
The Alvetex Perfusion Plate allows scientists to create cell based models that are similar to the environment experienced by cells and tissue <i>in vivo</i> . Comprised of a perfusion plate with two Luer locks (pump and tubing is not included).	AVP011-2	2 plates
	AVP011-10	10 plates



Alvetex Perfusion Plate with Alvetex 12 Well Inserts

Alvetex Kits

Alvetex Scaffold Well Plate Starter Kit	Alvetex®	
1 × 12 well plate / 1 × 24 well plate / 1 × 96 well plate	AVP-KIT-1	1 kit
Alvetex Scaffold Well Insert Starter Kit	Alvetex®	
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®	
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®	
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®	
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®	
5 × perfusion plates / 48 × 12 well inserts (pump and tubing not included)	AVP-KIT-6	1 kit
Alvetex Strata Well Insert Starter Kit	Alvetex®	
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

REPROCELL Global: <https://www.reprocell.com/product-catalog/ezsphere-by-agc>

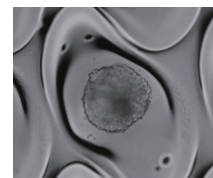
REPROCELL USA: <https://store.reprocell.com/ezsphere-asahi-glass-corporation-m7>

Brand: **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			EZSPHERE™
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			EZSPHERE™
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			EZSPHERE™
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			EZSPHERE™
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			EZSPHERE™
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			EZSPHERE™
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			EZSPHERE™
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 (new style)			EZSPHERE™
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-N	AGC code 4810-900SP	5 plates
EZSPHERE Microplate 24 well			EZSPHERE™
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			EZSPHERE™
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

REPROCELL Global: <https://www.reprocell.com/product-catalog/koken-atelocollagen>

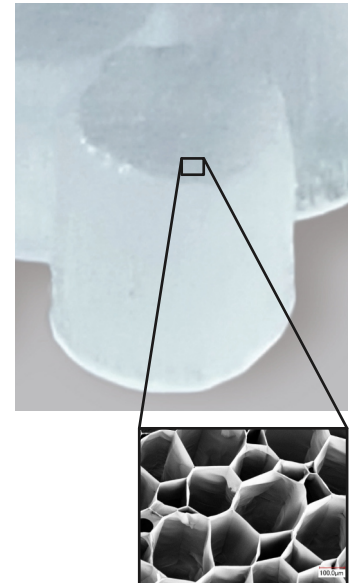
REPROCELL USA: <https://store.reprocell.com/ezsphere-asahi-glass-corporation-m7>

Brand: **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				AteloCell®
Koken's AteloCell® 3D Honeycomb Boosted (KKN-3D-HCB) is designed as a scaffold for high density 3D cell culture/cell transplantation.	REPROCELL code	KOKEN code		25 pieces
	KKN-3D-HCB	3D-HCB		
3D Ready Atelocollagen, DMEM, High Glucose				AteloCell®
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	KOKEN code		1 bottle (12 mL)
	KKN-3D-HG01	3D-HG01		
	KKN-3D-HG05	3D-HG05		5 bottles (5 × 12 mL)
3D Ready Atelocollagen, DMEM, Low Glucose				AteloCell®
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	KOKEN code		1 bottle (12 mL)
	KKN-3D-LG01	3D-LG01		
	KKN-3D-LG05	3D-LG05		5 bottles (5 × 12 mL)
Atelocollagen coated β-TCP scaffold				AteloCell®
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	KOKEN code		10 pieces
	KKN-ACB-05S	ACB-05S		
Atelocollagen Honeycomb sponge (blocks)				AteloCell®
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	KOKEN code		100 mg
	KKN-CSH-10	CSH-10		
Atelocollagen Honeycomb sponge (discs)				AteloCell®
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	KOKEN code		25 pieces
	KKN-CSH-96	CSH-96		
Atelocollagen membrane				AteloCell®
Type 1 Atelocollagen powder, derived from bovine dermis.	REPROCELL code	KOKEN code		1 pieces
	KKN-CLF-01	CLF-01		
Atelocollagen membrane for 24-well culture plate				AteloCell®
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	KOKEN code		24 pieces
	KKN-CM-24	CM-24		
Atelocollagen membrane for 6-well culture plate				AteloCell®
A permeable membrane for 50mm culture dish, 6-well culture plate allows amino acids and other small molecules to move freely.	REPROCELL code	KOKEN code		24 pieces
	KKN-CM-6	CM-6		



**3D Honeycomb Boosted
KKN-3D-HCB**

Atelocollagen Permeable Membrane for 50 mm Culture Dish				AteloCell®
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				AteloCell®
Type 1 Atelocollagen powder, derived from bovine dermis.	REPROCELL code KKN-CLP-01	KOKEN code CLP-01	500 mg	
Atelocollagen sponge				AteloCell®
Type 1 Atelocollagen sponge, from bovine dermis.	REPROCELL code KKN-CLS-01	KOKEN code CLS-01	1 sheet	
Atelocollagen sponge, MIGHTY				AteloCell®
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				AteloCell®
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				AteloCell®
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				AteloCell®
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				AteloCell®
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				AteloCell®
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				AteloCell®
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				AteloCell®
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)				AteloCell®
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

REPROCELL Global: <https://www.reprocell.com/product-catalog/able-biott-bioreactor-systems>

REPROCELL USA: <https://store.reprocell.com/able-biott-m5>

Brand: **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 ⁶ cells	10 ⁶ 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-S05N0S-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

2mag™ Stirring Systems

REPROCELL Global: <https://www.reprocell.com/product-catalog/2mag-stirrers>

Brand: **BioMIX™** by 2Mag™



COMPATIBLE WITH THE 500 mL ABLE BIOTT BIOREACTOR

bioMIXdrive – stirring drives for cell cultures: designed for careful and protective mixing of cell suspensions and culture broths, developed for highest demands as well as warming-free and uncompromising continuous operations for e.g. in CO₂-incubators.

bioMIXcontrol – external control units: designed for bioMIXdrive stirring drives.

Note: Available from REPROCELL in the UK and Europe only.

bioMIXdrive 1 Stirring System			BioMIX™
Stirring system for cell culture. 1 stirring point.	REPROCELL code 2M-80001	2mag code 80001	1 unit
bioMIXdrive 1 Stirring System			BioMIX™
Stirring system for cell culture. 2 stirring points.	REPROCELL code 2M-80002	2mag code 80002	1 unit
bioMIXdrive 3 Stirring System			BioMIX™
Stirring system for cell culture. 3 stirring points.	REPROCELL code 2M-80003	2mag code 80003	1 unit
bioMIXdrive 4 Stirring System			BioMIX™
Stirring system for cell culture. 4 stirring points.	REPROCELL code 2M-80004	2mag code 80004	1 unit
bioMIXcontrol (for bioMIX Stirring System)			BioMIX™
Control unit for bioMIXdrive 1/2/3/4.	REPROCELL code 2M-98400	2mag code 98400	1unit
bioMIXcontrol S (for bioMIX Stirring System)			BioMIX™
Control unit (<i>stackable</i>) for bioMIXdrive 1/2/3/4.	REPROCELL code 2M-98500	2mag code 98500	1unit
bioMIXcontrol 4MS (for bioMIX Stirring System)			BioMIX™
Control unit for bioMIXdrive 1. For up to 4 stirrer units.	REPROCELL code 2M-98604	2mag code 98604	1unit
Extension cord for bioMIXdrive			BioMIX™
Extension cord accessory for bioMIXdrive. Length 3 m.	REPROCELL code 2M-46200	2mag code 46200	1unit



Oligonucleotide Synthesis Services

REPROCELL Global: <https://www.reprocell.com/oligonucleotide-synthesis>

India's leading oligosynthesis provider is now offering its services globally.

Bioserve India (part of the REPROCELL Group) is the pioneer for oligonucleotide synthesis in India. Since 2002 Bioserve has been delivering the highest quality products.

At our world-class facility, we synthesize large quantities of oligonucleotides using high-throughput automated machines. We offer a complete line of custom oligonucleotide synthesis and purification services based on customer requirements.

Our expertise in nucleic acid chemistry enables us to provide our clients with an extensive selection of oligo dyes, quenchers, modified bases, linkers, spacers, and other related conjugates.

We test and approve ancillary reagents before use in our oligosynthesis production to ensure that they meet our high quality standards. Our synthesis process is optimized and automated to meet stringent quality requirements. We work according to GMP procedures.

Each of our oligos comes with full traceability by extensive batch production records.



Ordering your oligos from us is easy



* The **Activity Report** includes: OD Units; oligo concentrations (in pm, nm and mg); oligo melting temperature (Tm); total yield; GC percentage; molecular weight; and reconstitution volume to get the 100µM concentration.

Oligo Quantities and Purification Techniques

Type of purification	Oligo Length	5-35	5-35	5-50	5-100	5-120	5-150
	Scale (nmole)	10	20	50	100	200	1000
Desalted	OD @ 260 nm	5-7	7-8	8-10	15-20	21-25	30-35
OPC	OD @ 260 nm	1-3	2-4	2-5	5-8	8-12	12-15
HPLC	OD @ 260 nm			1-4	2-5	8-10	10-12
PAGE	OD @ 260 nm			1-3	3-5	5-7	7-10

Standard Modifications

5' Label	3' Label
FAM	BHQ-1
TET	BHQ-1
HEX	BHQ-1
TAMRA	BHQ-1, BHQ-2
CY5	BHQ-2
CY3	BHQ-1

Quenchers

Modifications	Label position		
	5'	Int	3'
Biotin	✓	—	✓
Inosine	✓	✓	—
Amino	✓	—	✓
Phosphorylation	✓	—	✓
Thiol	✓	—	✓

Fluorescent Dyes

Fluorescent Dye	Abs	Em	Ext. Coeff.	MW	Label Position			Purification Option			
					5'	Int	3'	HPSF	HPLC	PAGE	Alternative to
TET	521	536	73	612.30	✓	—	—	—	✓	—	CAL Fluor Gold 540
HEX	536	556	73	681.20	✓	—	—	—	✓	—	CAL Fluor 560 SIMA
CY3	552	570	150	444.60	✓	—	—	—	✓	—	TYE 563
CY5	649	670	250	470.63	✓	—	—	—	✓	—	TYE 655
TAMRA	544	576	90	512.58 612.70	✓	—	✓	—	✓	—	—
FAM	495	520	83	474.50	✓	—	✓	—	✓	—	ATTO 495

Human Tissue Samples

REPROCELL Global: <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 need. 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 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.

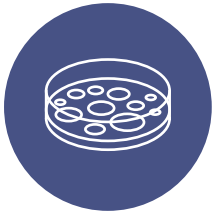
In our Custom Collections we can provide customized case report forms that specify the exact the types of sample data you need. We can also prepare your specimens according to your own protocols and requirements. We can provide short- to long-term specimen storage, either at REPROCELL's state-of-the-art 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.



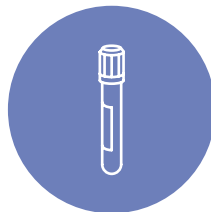
Clinical Laboratory Services

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>