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Stem Cell Media

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Human Induced Pluripotent Stem Cells | Embryonic Stem Cells (hiPSCs/hESCs)

Serum-free, xeno-free media portfolio for iPSC and ESC culture. Manufactured under ISO 13485 QMS and ISO 9001 and in compliance with applicable cGMP guidelines.

Product	Format	Features
NutriStem® hPSC XF Medium	Bottle (500 mL), bag (1 L, 1.5 L, 2 L, 2.8 L, 10 L)	Specially formulated for optimal growth and expansion of pluripotent stem cells
NutriStem® hPSC XF Medium w/o TGF & FGF	Bottle (500 mL)	Growth factor-free formulation for the growth and expansion of PSCs
NutriStem® hPSC XF Medium with +20 ng/mL bFGF	Bottle (500 mL)	Modified formulation containing +20 ng/mL bFGF ideal for adaptation of PSC cultures from serum-containing or other commercial medium

See page 6 to 8 for additional reagents that support hiPSCs/hESCs

Human Mesenchymal Stromal Cells (MSCs)

Serum-free, xeno-free culture media and substrate portfolio for MSC isolation, expansion and differentiation. Manufactured under ISO 13485 QMS and ISO 9001 and in compliance with applicable cGMP guidelines. DMF available for NutriStem.

Product	Format	Features
MSC NutriStem® XF Basal Medium w/ or w/o Phenol Red	Bottle (100 mL, 500 mL), bag (5 L, 10 L, 20 L)	Basal medium designed for optimal growth and expansion of MSCs derived from multiple sources. Intended for use with MSC NutriStem XF Supplement
MSC NutriStem® XF Supplement	Bottle (30 mL, 60 mL, 120 mL), vial (0.6 mL, 3 mL, 9 mL)	Supplement formulated for optimal growth and expansion of MSCs derived from multiple sources. Intended for use with MSC NutriStem XF Basal Medium
MSCgo™ Chondrogenic Differentiation Medium	Bottle (100 mL)	Basal medium optimized for directed differentiation of MSCs to chondrocytes when used with MSCgo Chondrogenic Differentiation Supplement
MSCgo™ Chondrogenic Differentiation Supplement Mix	Vial (10 mL)	Supplement optimized for directed differentiation of MSCs to chondrocytes when used with MSCgo Chondrogenic Differentiation Basal Medium
MSCgo™ Adipogenic Differentiation Medium	Bottle (100 mL)	Basal medium for directed differentiation of MSCs to adipocytes when used with MSCgo Adipogenic Differentiation Supplement Mix 1 & 2
MSCgo™ Adipogenic SF XF Supplement Mix 1	Vial (0.1 mL)	Supplement optimized for directed differentiation of MSCs to adipocytes when used with MSCgo Adipogenic Differentiation Medium & Supplement Mix 2
MSCgo™ Adipogenic SF XF Supplement Mix 2	Vial (1.5 mL)	Supplement optimized for directed differentiation of MSCs to adipocytes when used with MSCgo Adipogenic Differentiation Medium & Supplement Mix 1
MSCgo™ Osteogenic Differentiation Medium	Bottle (100 mL)	Complete medium optimized for directed differentiation of MSCs to osteoblasts
MSCgo™ Rapid Osteogenic Differentiation Medium	Bottle (100 mL)	Complete medium optimized for faster directed differentiation of MSCs to osteoblasts
NutriCoat® Solution	Vial (1.5 mL)	Defined substrate based on clinical-grade human Fibrinogen, designed for the attachment of MSCs in serum-free and xeno-free culture systems

See page 6 to 8 for additional reagents that support MSCs

Human Hematopoietic Stem Cells (HSCs)

Serum-free, xeno-free culture medium for expansion of HSCs. Manufactured following applicable GMP guidelines and allows for the safe use in accordance with USP Chapter <1043> and ISO 20399:2022.

Product	Format	Features
CellGenix® GMP SCGM w/ or w/o Phenol Red	Bottle (500 mL), bag (500 mL, 1 L)	Optimized for serum-free expansion of low numbers of isolated human HSC and progenitor cells (CD34+ cells)

See page 6 to 8 for additional reagents that support HSCs

Immune Cell Media

Visit eShop

T Cells

Serum-free, xeno-free T cell and immunotherapy culture media portfolio optimized for culturing PBMC, CAR-T, TIL, Treg. Manufactured under ISO 13485 or ISO 9001 QMS and in compliance with applicable GMP guidelines.

Product	Format	Features
4Cell® Nutri-T GMP Medium w/ or w/o Phenol Red	Bottle (1 L), bag (1 L, 5 L, 10 L)	Formulated for the culture and expansion of lymphocytes for cell-based immunotherapy, tested and developed on both healthy and non-healthy patient derived donor cells
CellGenix® GMP TCM	Bottle (500 mL), bag (1 L)	Formulated for serum-free expansion and cultivation of human T cells, highly functional CAR-T cells, and Tregs, in static or simple stirred bioreactors. DMF available.
4Cell® Nutri-T GMP Advanced w/ or w/o Phenol Red	Bottle (1 L) bag (1 L, 5 L, 10 L)	Animal component-free and engineered explicitly for the culture and expansion of T cells, including CAR-T cells and tumor-infiltrating lymphocytes (TILs).
CellGenix® GMP Advanced TCM	Bottle (500 mL) bag (1 L)	Optimized for animal component-free expansion and cultivation of T cells, including CAR-T cells. It supports the expansion of CD4+ and CD8+ T cells and promotes central memory and early differentiated memory T cell phenotype.

See page 6 to 8 for additional reagents that support T cells

Natural Killer Cells (NK Cells)

Serum-free, xeno-free culture medium for expansion and cultivation of NK cells. Manufactured following applicable GMP guidelines and allows for the safe use in accordance with USP Chapter <1043> and ISO 20399:2022.

Product	Format	Features
CellGenix® GMP SCGM w/ or w/o Phenol Red	Bottle (500 mL), bag (500 mL, 1 L*)	Optimized for serum-free expansion of low numbers of isolated human HSC and progenitor cells (CD34+ cells). Highly efficient for the expansion and cultivation of human NK cells. DMF and PDMA available.

* Available from April 2026

See page 6 to 8 for additional reagents that support natural killer cells

Dendritic Cells (DCs)

Serum-free, xeno-free culture medium for the generation of DCs. Manufactured following applicable GMP guidelines and allows for the safe use in accordance with USP Chapter <1043> and ISO 20399:2022.

Product	Format	Features
CellGenix® GMP DC w/ or w/o Phenol Red	Bottle (500 mL), bag (500 mL)	Optimized to support the serum-free differentiation from CD14+ monocytes to immature DCs or macrophages, and further from immature to mature DCs.

See page 6 to 8 for additional reagents that support dendritic cells

HEK293 Media Portfolio

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Chemically-defined, animal-component free, serum-free, protein-free, and hydrolysate-free media and feed portfolio for HEK293 suspension culture. These media are designed for viral vector production and support high and consistent titers in both clinical and commercial applications. Manufactured under ISO 9001 & ISO 13485.

Product	Format	Features
HEK GM CD Medium	Bottle (1 L), bag (10 L*, 20 L, 50 L, 100 L, 200 L, 500 L), powder (10 L*, 100 L, 500 L)	With growth factor, a robust and effective base medium for infection and stable expression
HEK TF CD Medium	Bottle (1 L), bag (10 L*, 20 L, 50 L, 100 L, 200 L, 500 L), powder (10 L*, 100 L, 500 L)	With growth factor, a well-established transfection medium for growth, transfection, and infection
HEK FS_2 Feed	Bottle (1 L), bag (5 L, 10 L, 20 L), powder (5 L, 10 L, 50 L)	Boost viral production for gene therapies and vaccines. This feed can be used with the 4 HEK media portfolio.

* In stock

Other Media and Reagents

SoloHill® Microcarriers

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Microcarriers for cost-effective scaling of virus and cell therapies – large growth area, solid core, with minimal environmental impact, and smooth surface for easy processing and efficient cell harvest. Available in multiple sizes and as pre-sterilized Microcarrier Delivery System (MDS) for direct bioreactor connection.

Product	Format	Features
Plastic | Plastic Plus	Bottle (10 g*, 100 g, 500 g, 1,000 g) Bag* (100 g; customized MDS up to 8,000 g)	Animal component-free, cross-linked polystyrene; established for routine vaccine processes (e.g. Vero, HEK). Plastic Plus also available (cationic-charged) to improve attachment for sensitive/weakly adherent cells (including MSCs).
Star-Plus	Bottle (10 g*, 100 g, 500 g, 1,000 g) Bag* (100 g; customized MDS up to 8,000 g)	Animal component-free, cross-linked polystyrene, cationic-charged; supports high-density, fast-growing Vero, primary and stem cells.
Hillex® II	Bottle (10 g*, 100 g, 500 g, 1,000 g) Bag* (100 g; customized MDS up to 8,000 g)	Animal component-free, modified polystyrene, cationic-charged; strongly adherent surface for Vero, Porcine SK-RST, or other difficult-to-attach, fragile cell lines.
Collagen	Bottle (10 g*, 100 g, 500 g, 1,000 g)	Cross-linked polystyrene coated with collagen; promotes rapid attachment and growth of stem cells, such as iPSCs and MSCs.
FACT III	Bottle (10 g*, 100 g, 500 g, 1,000 g) Bag* (100 g; customized MDS up to 8,000 g)	Cross-linked polystyrene, collagen-coated, cationic-charged; enhances attachment and growth of PSCs, MSCs, and fragile lines.
Microcarrier Starter Kit	Bottle (10 g of each type)	Includes all SoloHill® microcarrier types to aid optimal evaluation.

* Available as ready to use (sterile) option

Endothelial Cell Media

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Serum-free, xeno-free culture media for endothelial cell expansion. Manufactured under ISO 13485 in compliance with applicable cGMP guidelines.

Product	Format	Features
EndoGo™ XF Basal Medium	Bottle (500 mL)	Basal medium designed for long-term expansion of macro- and microvascular endothelial cells. Intended for use with EndoGo XF Supplement
EndoGo™ XF Supplement	Vial (2.5 mL)	Supplement designed for long-term expansion of macro- and microvascular endothelial cells. Intended for use with EndoGo XF Basal Medium

Other Supplements

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Product	Format	Features
Bio-Pure Human Serum Albumin 10% Solution	Bottle (10 mL, 100 mL)	Specially treated Human Serum Albumin, optimized for ES and iPS cell culture
Human Serum Albumin 20% Solution	Bottle (50 mL, 500 mL)	Human Serum Albumin for ES and iPS cell culture
PLTGold Human Platelet Lysate	Bottle (27 mL, 100 mL, 500 mL, 1 L)	Alternative to FBS for MSC, HSC, PSC, ESC, EC and other primary cell culture. Available in Clinical Grade, GI Clinical Grade, and Research Grade, US origin.
NutriCoat™ Attachment Solution	Vial (1.5 mL)	Cost-effective, efficient, standardized Fibrinogen-based solution designed for the attachment of human mesenchymal stem cells under serum-free and xeno-free culture condition.

Dissociation Solutions

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Product	Format	Features
Recombinant Trypsin Solution	Bottle (20 mL, 100 mL)	Animal component-free cell dissociation solution
Recombinant Trypsin EDTA Solution	Bottle (20 mL, 100 mL, 500 mL)	Animal component-free cell dissociation solution with accelerated enzymatic action

Recombinant Human Albumin

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Ready-to-use, animal-component free, serum-free, chemically-defined, manufactured to ICH Q7 cGMP standards, extensive DMF available.

Product	Format	Applications
The Recombumin® Portfolio	Vial (5 mL), Vial (50 mL), bioprocess container* (1 L)	Supports iPSCs | ESCs, MSCs, HSCs, T cells, NK cells, DC; Applications include upstream bioprocessing, cell culture supplement, downstream processing, cryopreservation and final fomulation excipient

* Selected products

Biopreservation Solutions

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Cryopreservation and Cold Storage Solutions

Chemically defined, animal component-free cryopreservation and cold storage solutions designed and validated for the preservation of sensitive cells such as stem cells and immune cells. Manufactured under ISO 13485 in compliance with applicable cGMP guidelines, DMFs available.

Product	Format	Features
NutriFreez® D10 Cryopreservation Medium, w/ or w/o Phenol Red	Bottle (10 mL, 20 mL, 50 mL, 100 mL, 500 mL)	Ready-to-use cryopreservation medium containing 10% DMSO
NutriFreez® D5 Cryopreservation Solution, w/o Phenol Red	Bottle (10 mL, 100 mL, 500 mL), bag (100 mL)	Ready-to-use, salt-based cryopreservation solution containing 5% DMSO
NutriStor® Cold Storage Solution	Bottle (10 mL, 100 mL, 500 mL), bag (250 mL, 500 mL)	Designed for short-term storage and shipment of highly sensitive cells at 2 - 8 °C for clinical applications

Growth Factors and Cytokines

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High quality and seamlessly scalable preclinical- and GMP-grade cytokines used for activation, expansion, and differentiation of cells. Allows for the safe use in accordance with USP <1043>. Ph. Eur. 5.2.12 and for GMP grade ISO 20399:2022.

Product	Format	Applications
CellGenix® rh Activin A (Preclinical and GMP* Grade)	Vial (50 µg)	iPSCs | ESCs
CellGenix® rh EGF (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	iPSCs | ESCs, and MSCs,
CellGenix® rh FGF-2 (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	iPSCs | ESCs, and MSCs
CellGenix® rh Flt-3L (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	HSCs and NK cells
CellGenix® rh GM-CSF (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	DCs
CellGenix® rh IFN-γ (Preclinical grade only)	Vial (50 µg)	DCs
CellGenix® rh IL-1β (Preclinical and GMP grade)	Vial (50 µg)	iPSCs | ESCs and DCs
CellGenix® rh IL-2 (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	T cells and NK cells
CellGenix® rh IL-3 (Preclinical and GMP grade)	Vial (50 µg)	HSCs
CellGenix® rh IL-4 (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	DCs
CellGenix® rh IL-6 (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	HSCs, NK cells, and DCs
CellGenix® rh IL-7 (Preclinical and GMP grade)	Vial (50 µg)	T cells and NK cells
CellGenix® rh IL-10* (Preclinical and GMP grade)	Vial (50 µg)	DCs
CellGenix® rh IL-12 (Preclinical grade only)	Vial (50 µg)	NK cells and T cells
CellGenix® rh IL-15 (Preclinical and GMP grade)	Vial (50 µg)	T cells and NK cells
CellGenix® rh IL-18 (Preclinical grade only)	Vial (50 µg)	NK cells and T cells
CellGenix® rh IL-21 (Preclinical and GMP grade)	Vial (50 µg)	T cells and NK cells
CellGenix® rh OSM (Preclinical grade only)	Vial (50 µg)	iPSCs | ESCs
CellGenix® rh PDGF-BB* (Preclinical and GMP grade)	Vial (50 µg)	MSCs
CellGenix® rh SCF (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	iPSCs | ESCs, HSCs, and NK cells
CellGenix® rh TGF-β1 (Preclinical and GMP grade)	Vial (50 µg)	iPSCs | ESCs, MSCs, and T cells
CellGenix® rh TNF-α* (Preclinical and GMP grade)	Vial (50 µg)	DCs
CellGenix® rh TPO (Preclinical and GMP grade)	Vial (50 µg, 1 mg**)	iPSCs | ESCs, HSCs, and NK cells

* DMF currently not available
** 1 mg format only available for GMP-grade cytokines

Immune Cell Activators

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Soluble, protein-based, bead-free, culture-ready activation reagents for the activation and expansion of various immune cell types. RUO grade is manufactured ISO9001 and GMP grade is manufactured ISO20399 in compliance with applicable cGMP guidelines.

Product	Format	Applications
NanoSpark® STEM-T T Cell Activator	Vial (2 mL)	For ex vivo activation and expansion of human T cells that favors stem-like CD8+ T cell production.
NanoSpark® STEM-T GMP T Cell Activator	Vial (2 mL)	For ex vivo activation and expansion of human T cells that favors stem-like CD8+ T cell production.
NanoSpark® GROW-NK Cell Activator	Vial (2 mL)	For in vitro activation and expansion of human NK cells with high viability and cytotoxicity.

Transfection Reagents

Transfection Reagents for Viral Vector Production

Visit eShop

High-performance transfection reagents for AAV and LV manufacturing, enabling scalable and cost-effective gene therapy and gene-modified cell therapy production. Avaialble in Research and GMP grades (ICH Q7-compliant with full regulatory support).

Product	Format	Features
FectoVIR®-AAV	Vial (1 mL) bottle (10 mL, 100 mL, 1 L) bag (1 L)*	High rAAV productivity for reduced cost per batch; developed for large-scale manufacturing. Available in 2 grades (Research and GMP)
FectoVIR®-LV	Vial (1 mL) bottle (10 mL, 100 mL)	Maximizes LV titers; animal component-free; can produce at large scale with low complexation volume and long stability; DOE optimization support available. Avaialble in 2 grades (Research and GMP).
PEIpro®	Vial (1.5 mL) bottle (10 mL, 100 mL , 1 L) bag (100 mL in 1 L Bag, 1 L Bag) PETG bottle (100 mL, 10 × 10 mL)**	Gold-standard PEI-based reagent for viral vector manufacturing; smooth scale-up from process development to GMP; available in 3 grades (Research, HQ, GMP).

Non-Viral Delivery Solutions for Nucleic Acids

Visit eShop

Ready-to-use transfection reagents for DNA, RNA, and oligonucleotide delivery. Chemically defined and animal component-free.

Product	Format	Features
in vivo-jetPEI®	Vial (0.1 mL , 0.5 mL) bottle (10 g)	Gold-standard cationic polymer for in vivo nucleic acid delivery; extensively documented (650+ publications, clinical trials up to Phase 3); GMP grade available. Extensive regulatory documentation and DMF available.
in vivo-jetRNA®+	Vial (1 mL)	Lipid-based nanoparticle reagent tailored for in vivo delivery of mRNA. It's an efficient, practical and cost-efficient alternative to common LNPs.
LipidBrick® Cell Ready	Vial (0.3 mL , 1 mL)	Lipid-based nanoparticle reagent optimized for ex vivo immune & stem cell transfection; maintains high cell viability; scalable from well-plate screenings to bioreactors; accommodates diverse payloads.
LipidBrick® Library	Vial: IM21.7c (50 mg, 250 mg, 1 g), library kit (8 × 50 mg)	Novel cationic lipid library for improved LNP targeted formulation; adaptable for precise therapeutic targeting; secured by independent IP.

* Research grade - 1 mL, 10 mL, 100 mL, and 1L bottles | GMP grade - 100 mL bottle and 1L bag
** Research grade - 1.5 mL, 10 mL, 100 mL, and 1L | HQ grade - 100 mL and 1L bottles | GMP grade - 100 mL, and 10x10 mL bottle, 1L bag

Off-the-Shelf Plasmids

Visit eShop

Ready-to-use plasmids designed for optimized viral vector production, improving yield, infectivity, and scalability. Available in Research, High Quality (HQ), and GMP grades with extensive regulatory support.

Product	Format	Applications
pPLUS® AAV-Helper	Vial (1 mg, 10 mg, 100 mg) GMP available soon	Optimized for enhanced AAV titers and particle quality; versatile across various cell lines and AAV serotypes; fully compatible with different transfection reagents.
pPLUS® AAV-RC Range	Vial: RC2, RC5, RC6, RC8 , RC9 (1 mg, 10 mg, 100 mg)*	Complete RepCap plasmid range for multiple AAV serotypes; optimized for high infectious titers and yields when used with pPLUS® AAV-Helper.
pPLUS® LV	Vial: GAG/POL (1 mg, 10 mg), REV (1 mg, 10 mg), VSVG (1 mg, 10 mg)*	Set of packaging plasmids (REV, GAG/POL and VSV-G) designed to enhance titer and infectivity yields.

* Available in R&D grade, GMP upon request.

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