



High Quality GMP Reagents for Cell and Gene Therapy Manufacturing

Safe | GMP Compliant | Reliable

About CellGenix



CellGenix is a leading global supplier of high quality reagents and tools in the expanding market of cell and gene therapy and regenerative medicine.

The company was founded in 1994 and is headquartered in Freiburg, Germany where it operates a state-of-the-art GMP manufacturing facility. As the first company to obtain a GMP manufacturing authorization for cell processing in Europe, CellGenix has more than 20 years of expertise in the development and GMP manufacturing of cell and gene therapy products.

As a trusted supplier, CellGenix offers a comprehensive product portfolio to ensure a seamless transition from research to commercialization. Included in our product portfolio are **recombinant human cytokines, serum-free media and closed cell culture systems (EU only)**. Our products combine a maximum of quality and safety with excellent performance due to state-of-the-art production, stringent in-house quality control and comprehensive documentation. All these factors help to simplify qualification and validation for your market authorization.

From Research to ATMP – Your Dedicated Partner in Cell and Gene Therapy

Preclinical
cytokines & media

GMP
cytokines & media

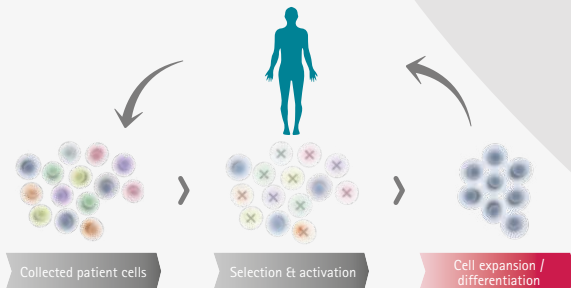
Research

Preclinical

Clinical trials
phase I / II / III

Manufacturing/
Commercialization

Cytokines, Serum-free Media & More



Regulatory Excellence

CellGenix GMP products are based on three major quality standards:

- **Safety** – Safe and qualified raw materials in compliance with our animal-derived component-free and serum-free policy.
- **GMP Compliance** – Manufacturing and quality control following all applicable GMP guidelines to provide documented evidence of purity, potency, consistency and stability.
- **Regulatory Compliance and Support** – GMP products are manufactured, tested, released and distributed under an ISO 9001:2008 certified Quality Management System and allow for the safe use in accordance with USP Chapter <1043> and Ph. Eur. General Chapter 5.2.12. GMP cytokines are tested and released according to USP Chapter <92> as applicable.

We offer expert regulatory and technical support as well as FDA Drug Master Files for most of our products. Customized solutions can be provided to meet special compliance needs.



Dendritic Cells

DCs represent unique antigen-producing cells capable of sensitizing T cells to antigens. They play a central role in the regulation of innate and adaptive immunity. DC therapy represents a new and promising immunotherapeutic approach for treatment of different types of cancer.

rh Cytokines

CellGenix® GM-CSF, IL-4, IL-1 β ,
TNF- α , IL-6, IL-10, IFN- γ
(GMP/preclinical grade)

Medium

CellGenix® GMP DC





Embryonic Stem Cells & Induced Pluripotent Stem Cells

ES and iPS cells can differentiate into all cell types of the human body and have the capacity to self-renew. Potential therapeutic applications include basic research, drug testing and regenerative medicine.

ES and iPS cells are in addition used as new cell sources for the generation of DC and T cell therapies.

rh Cytokines

CellGenix® EGF, FGF-2,
Activin A, OSM, HGF, TGF- β 1
(GMP/preclinical grade)

(except OSM & HGF; preclinical
grade only)





Hematopoietic Stem and Progenitor Cells

HSCs are widely used for transplantation after high-dose chemotherapy of lymphoma, leukemia and certain immune-deficiency illnesses.

rh Cytokines

CellGenix® SCF, TPO, Flt-3L,
IL-3, IL-6

(GMP/preclinical grade)

Medium

CellGenix® GMP SCGM





T Cells

T cells play a central role in cell-mediated immunity. T cell immunotherapy for cancer, chronic infection and autoimmunity is a rapidly growing field with very promising results in clinical trials. There are currently four types of therapies: chimeric antigen receptor (CAR), tumor-infiltrating lymphocytes (TILs), regulatory T cells (Treg) and T cell receptor (TCR) engineered T cells.

rh Cytokines

CellGenix® IL-2, IL-7,
IL-10, IL-15, IL-21, TGF- β 1
(GMP/preclinical grade)





Natural Killer Cells

NK cells are a subset of cytotoxic lymphocytes involved in the innate immune system. They play a major role in the host-rejection of both tumors and virally infected cells. Immunotherapy, based on NK cell infusion, is a potential adjuvant treatment for many cancers.

rh Cytokines

CellGenix® IL-2, IL-15, IL-21
(GMP/preclinical grade)

Medium

CellGenix® GMP SCGM





Mesenchymal Stem Cells

MSCs are multipotent stem cells that can be differentiated into a variety of cell types, including osteoblasts, chondrocytes, myocytes, adipocytes, pancreatic islets cells and neuronal cells.

They hold great therapeutic promise in the field of cell-based tissue engineering and regenerative medicine. MSCs are being used for the prevention or treatment of GvHD after allogeneic blood stem cell transplantation. Their immunomodulatory properties are furthermore employed in autoimmune diseases such as diabetes and Crohn's disease.

rh Cytokines

CellGenix® EGF, FGF-2, PDGF-BB, TGF- β 1
(GMP/preclinical grade)

Medium

CellGenix® MSC, preclinical grade

Cells

CellGenix® hUC-MSC

Coating Material

CellGenix® Gelatin, preclinical grade



Chondrocytes

Chondrocytes are the only cell type resident in the cartilage. Chondrocytes are, for example, used for the generation of articular cartilage injuries in the knee (Autologous Chondrocyte Transplantation, ACT).

rh Cytokines

CellGenix® FGF-2, PDGF-BB

(GMP/preclinical grade)

Coating Material

CellGenix® Gelatin,
preclinical grade



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