

# For the love of innovation

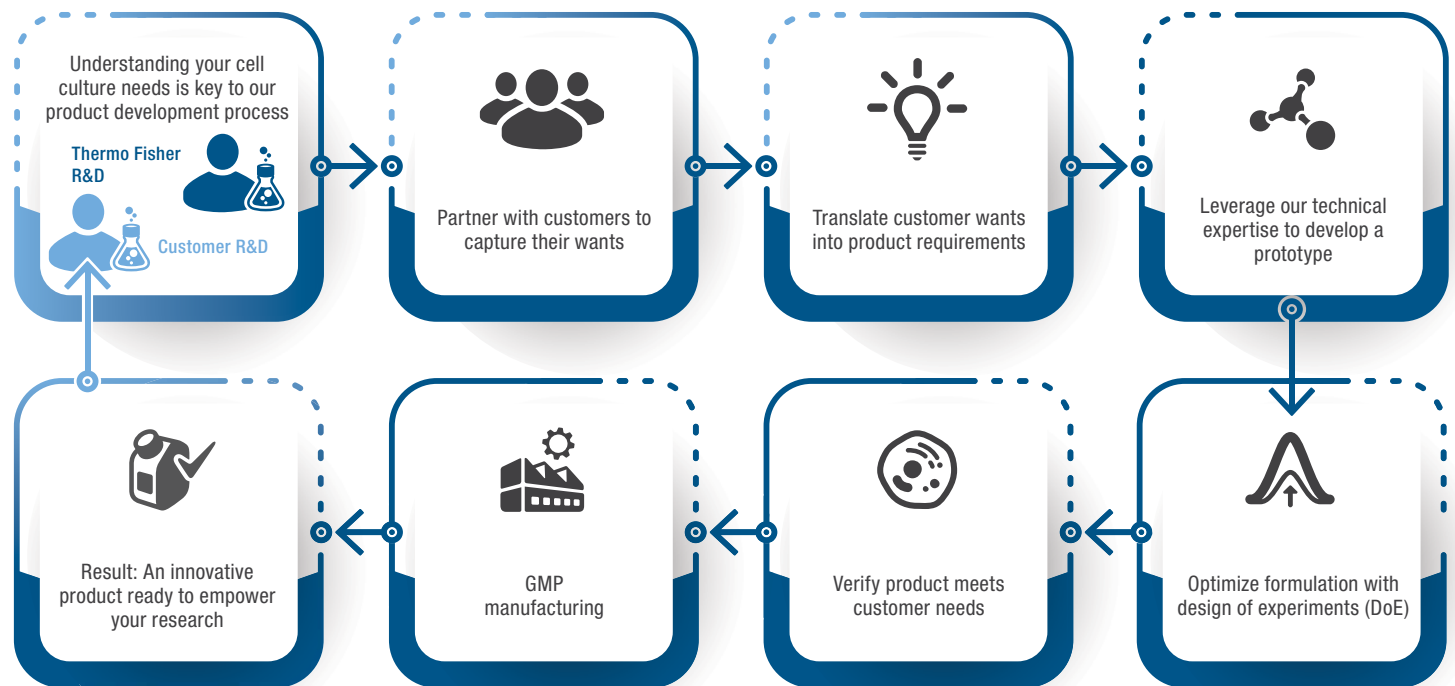
Cutting-edge research starts with successful cell culture



We go beyond basic formulations by providing advanced cell culture solutions that help empower you to achieve consistently reproducible results. Thermo Scientific™, Invitrogen™, and Gibco™ cell culture products are designed to continuously push the boundaries of what is possible in cell culture, so that you can confidently pursue groundbreaking discoveries and transformative breakthroughs. Regardless of your environment or need, Thermo Fisher Scientific can offer your lab a multitude of compelling innovations.

## Constant innovation for cutting-edge cell culture, from our research labs to yours

You need a partner dedicated to helping you confidently forge new paths. Our team of skilled R&D scientists and our unwavering investment in innovation make Thermo Fisher cell culture products the trusted choice of boundary-pushing scientists around the world.



## Featured cell biology innovations

Discover all innovative cell biology solutions at [thermofisher.com/cellbioinnovations](https://www.thermofisher.com/cellbioinnovations)



### Cell culture media, FBS, and reagents



RUO/CTS

#### Gibco™ GlutaMAX™ Supplement

Improved stability compared to L-glutamine, to keep your cells healthier longer.



RUO/CTS

#### Gibco™ TrypLE™ Express Enzyme

Gentle on cells, protecting your cell's surface proteins.



#### Gibco™ One Shot™ FBS 50 mL bottle

Eliminates the need to aliquot, helping minimize contamination and reducing plastic waste up to 33%.



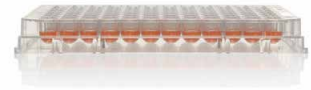
#### Gibco™ BenchStable™ DMEM

Engineered for flexibility and convenience to enable storage at room temperature.



#### Thermo Scientific™ Nunc™ UpCell™ surfaces

Designed to be temperature-responsive, enabling non-enzymatic cell dissociation.



#### Thermo Scientific™ Nunc™ Sphera™ surfaces

Designed for spheroid culture and organoid culture with a wide selection of formats.



#### Gibco™ Human Plasma-Like Medium

Designed to resemble the natural cellular environment found in the body.



#### Gibco™ OncoPro™ Tumoroid Culture Medium Kit

Streamline the culture of patient-derived cancer organoids to help make physiologically relevant cancer models more accessible.



#### Gibco™ PeproTech™ heat-stable proteins

Engineered for greater stability in cell culture, exhibiting enhanced bioactivity at 37°C.

### Transfection solutions



#### Invitrogen™ Lipofectamine™ reagents

Consistently transfect many cell types with high efficiency and exceptional ease of use.



#### Invitrogen™ Neon™ NxT Electroporation System

Designed and engineered for performance, speed, simplicity, and flexibility.

## Neuronal cell culture



RUO/CTS

### Gibco™ Neurobasal™ Media

Maintain pure populations of neuronal cells without the need for an astrocyte feeder layer.



RUO/CTS

### Gibco™ B-27™ supplements

Optimized formulation for improved long-term neuronal survival, functionality, and maturation.

## Pluripotent stem cell culture



RUO/CTS

### Gibco™ Essential 8™ Medium

Fully defined, xeno-free formulations containing only the eight essential components needed to grow feeder-free.



### Gibco™ StemFlex™ Medium

Allows up to two consecutive feed-free days for PSC culturing.



### Gibco™ StemScale™ PSC Suspension Medium

Designed for PSC suspension culture, delivering 5- to 10-fold expansion per passage.

## Protein expression systems



### Gibco™ Expi293™ Expression System Kit

Allows access to recombinant proteins in just 5–7 days, with up to a 10x increase in protein yields than previous-generation transient expression systems.



### Gibco™ ExpiCHO™ Expression System Kit

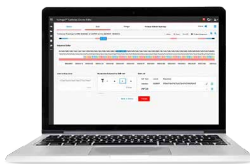
Provides up to 150x higher yields than the Gibco™ FreeStyle™ MAX CHO Expression System in a transient system (up to 3 g/L).



### Gibco™ ExpiSf™ Expression System Starter Kit

Generates 3x more protein compared to existing insect expression platforms.

## Gene editing



### Invitrogen™ TrueDesign™ Genome Editor

Easily design, select, and order reagents for accurate and successful gene editing experiments.



RUO/CTS

### Invitrogen™ TrueCut™ Cas9 proteins

Choose from our next generation of wild-type and high-fidelity Cas9 proteins.



**Gibco™ CTS™ OpTmizer™  
Pro Serum-Free Medium (SFM)**

The first medium developed for the growth and expansion of human T lymphocytes used in allogeneic cell therapies.



**Gibco™ CTS™ AIM V™ SFM**

The first commercially available, defined SFM for the proliferation and/or manipulation of T cells and dendritic cells, manufactured in compliance with CGMP regulations.



**Gibco™ CTS™ LV-MAX™ Lentiviral  
Production System**

A complete, optimized serum-free system designed to support high-titer lentiviral production in a variety of suspension culture vessels, enabling you to scale up or down based on your needs.



**Gibco™ CTS™ Rotea™ Counterflow  
Centrifugation System**

Applies the proven counterflow centrifugation method to a broad range of cell processing applications, such as CAR T therapy, stem cell therapy, and PBMC isolation.



**Gibco™ CTS™ AAV-MAX  
Helper-Free AAV  
Production System**

Increases productivity and cost efficiency by delivering high viral titers using Gibco™ CTS™ Viral Production Cells 2.0, a clonally documented, 293F-derived mammalian cell line.



**Gibco™ CTS™ NK-Xpander™ Medium**

Designed to proliferate a high yield of functional human natural killer (NK) cells with or without the use of feeder cells.



**Gibco™ CTS™ Xenon™  
Electroporation System**

A large-volume electroporation system designed for cell therapy, offering reliably high transfection performance in 1 mL or 5–25 mL sizes, with exceptional cell viability and recovery.

**RUO/CTS** Research Use Only and Cell Therapy Systems versions both available.



Explore cell culture products designed for sustainability  
at [thermofisher.com/greenercellculture](https://thermofisher.com/greenercellculture)

# Explore products driving innovation

## Cell culture media and reagents

Time-tested and trusted, Gibco™ cell culture media and reagents include products designed to support the growth and maintenance of a variety of mammalian cells and cell lines.

Learn more at [thermofisher.com/media](https://thermofisher.com/media)



## FBS

Gibco™ FBS can help provide the cell health, maintenance, and viability critical for optimal performance and cell growth in your cell culture medium.

Learn more at [thermofisher.com/fbs](https://thermofisher.com/fbs)



## Cell culture plastics

Thermo Scientific™ Nunc™ cell culture plastics offer a solution for every step of your workflow and are validated with Gibco™ products across multiple cell lines and applications.

Learn more at [thermofisher.com/cellcultureplastics](https://thermofisher.com/cellcultureplastics)



## Transfection

Our high-quality products for lipid-based transfection and electroporation are useful across a wide variety of cell types and applications.

Learn more at [thermofisher.com/transfection](https://thermofisher.com/transfection)



## Stem cell research

We offer an extensive selection of high-quality media and reagents for pluripotent stem cells—available for both research use and cell therapy applications.

Learn more at [thermofisher.com/stemcellculture](https://thermofisher.com/stemcellculture)



## Neuronal cell culture

Gibco™ neuronal and neural cell media are optimized for the growth and support of primary neuronal and neural cell cultures. These media are cited in applications involving primary neurons, glial cells, and disease models.

Learn more at [thermofisher.com/neuralculture](https://thermofisher.com/neuralculture)



## Protein expression

Gibco™ media formulations are available as components of our protein expression systems, which support the creation of recombinant proteins for further use, including functional and therapeutic studies.

Learn more at [thermofisher.com/proteinexpression](https://thermofisher.com/proteinexpression)



## Gene editing

We offer a variety of genome editing solutions to meet your needs. Whether you want results fast, seek full control over every design step, or need help engineering cells to your specific requirements, we have solutions that fit.

Learn more at [thermofisher.com/geneediting](https://thermofisher.com/geneediting)



## Recombinant proteins

As a premier recombinant protein supplier and manufacturer, Thermo Fisher offers a large selection of high-quality Invitrogen™ and Gibco™ proteins, including Gibco™ PeproTech™ recombinant proteins, to meet your research needs.

Learn more at [thermofisher.com/recombinantproteins](https://thermofisher.com/recombinantproteins)



## Cell therapy development

The Gibco™ Cell Therapy Systems™ (CTS™) product portfolio for cell and gene therapy is GMP-manufactured, safety-tested, and backed by regulatory documentation to support your transition from discovery through clinical and commercial manufacturing.

Learn more at [thermofisher.com/cts](https://thermofisher.com/cts)





**Ordering information**

Description	Quantity	Cat. No.
<b>Cell culture media, reagents, and sera</b>		
Human Plasma-Like Medium	500 mL	A4899101
BenchStable DMEM	500 mL	A4192101
GlutaMAX Supplement	100 mL	35050061
TrypLE Express Enzyme	500 mL	12604021, 12605028
PepruTech Human Heat Stable bFGF Recombinant Protein	500 µg	100-18BHS-100UG
One Shot FBS 50 mL Bottle	50 mL	A3160501
OncoPro Tumoroid Culture Medium Kit	1 kit	A5701201

Find plastics to fit your cell culture application at [thermofisher.com/cellcultureplastics](https://thermofisher.com/cellcultureplastics)

<b>PSC and neuronal cell culture</b>		
Essential 8 Medium	500 mL	A1517001
StemFlex Medium	500 mL	A3349401
StemScale PSC Suspension Medium	1 L	A4965001
B-27 Plus Supplement	10 mL	A3582801
Neurobasal Plus Medium	500 mL	A3582901

<b>Protein expression systems</b>		
Expi293 Expression System Kit	1 kit	A14635
ExpiCHO Expression System Kit	1 kit	A29133
ExpiSf Expression System Starter Kit	1 kit	A38841
Expi293 GnTI- Expression System Kit	1 kit	A39250
Expi293 Inducible Expression System	1 kit	A39251
Expi293 Inducible GnTI- Expression System Kit	1 kit	A39252

<b>CTS products</b>		
CTS Essential 8 Medium	500 mL	A2656101
CTS Xenon Electroporation System	1 system	A50301
CTS Rotea Counterflow Centrifugation System	1 system	A44769
CTS NK-Xpander Medium	500 mL	A5019001
CTS AIM V Medium, without phenol red, without antibiotics	2 L	A4672701
CTS AIM V SFM	1,000 mL	0870112DK
CTS LV-MAX Lentiviral Production System	1 kit	A35684
CTS OpTmizer Pro SFM	1 L	A4966101
CTS Viral Production Medium	1 L	A5144001
CTS Viral Production Cells 2.0	1.5 mL	A48400
CTS AAV-MAX Transfection Kit	For 1 L production	A5427701
CTS AAV-MAX Lysis Buffer	100 mL	A5152101

<b>Transfection products</b>		
Lipofectamine 3000 Transfection Reagent	0.1 mL	L3000001
Neon NxT Electroporation System Starter Pack	1 kit	NEON1SK

Find transfection products based on your needs at [thermofisher.com/transfectionselect](https://thermofisher.com/transfectionselect)

<b>Gene editing products</b>		
TrueCut Cas9 Protein v2	10 µg	A36496
TrueCut HiFi Cas9 Protein (1 µg/µL)	10 µg	A50574
CTS TrueCut Cas9 Protein	2.5 mg	A45220
CTS HiFi Cas9 Protein	2.5 mg	A54223

Explore the TrueDesign Genome Editor tool at [thermofisher.com/truedesign](https://thermofisher.com/truedesign)

Learn more at [thermofisher.com/cellbioinnovations](https://thermofisher.com/cellbioinnovations)

Intended use of the products mentioned varies. For specific intended use statements, please refer to the product label.

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