

A microscopic view of several cells, likely immune cells, with a blue fluorescence. The cells are spherical and covered in numerous small, hair-like projections (microvilli). The background is dark with scattered blue dots, suggesting a cellular environment.

**gibco**

# Immunotherapy solutions

Helping you navigate the path to a cure

**ThermoFisher**  
SCIENTIFIC

## Our mission

Your work holds the potential to save lives. Our mission is to help you succeed. As the world leader in serving science, we provide the quality materials and support you need to translate your cell therapy from discovery through clinical research and beyond. The breadth and depth of our portfolio of trusted products and services allows us to provide solutions that support you in your journey toward helping patients. We're here to help you translate your research into clinical success.

## Your journey

- **Discover**—cell therapy research can be a lengthy and arduous process, and the road to the clinic is often a long one; once you identify a novel therapy, it's time to translate your discovery to the clinic
- **Translate**—advancing your cell therapy product from research to the clinic and into commercial manufacturing requires careful material selection and thoughtful process development; to avoid costly delays, it's important to select materials that will carry you through to the clinic and scale with the clinical demand
- **Commercialize**—as the preferred partner of the top 50 biopharma companies worldwide, we've helped our partners achieve their therapeutic goals; we look forward to partnering with you to translate your cell therapy development into clinical success

## Gibco™ Cell Therapy Systems™ (CTS™)

- Qualifying and validating reagents for use in cell therapy can be a complicated and time-consuming process
- We understand the requirements and offer prequalified reagents to reduce the amount of time and resources required for material qualification, so you can focus on finding a cure
- Gibco™ CTS tools and reagents support all aspects of your work—from bench to clinic and beyond by providing you with a more efficient regulatory pathway than research grade products, so you can transition your cell therapy to the clinic with confidence

### When you choose CTS products, you can expect:

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#### cGMP-compliant manufacturing

- Manufactured in conformity with cGMP for medical devices, 21 CFR Part 820 of the regulation
- FDA registered manufacturing site with an ISO 13485-certified quality management system



#### Seamless transition to the clinic

- Traceability documentation, including certificates of analysis, certificates of origin, and drug master files
- Extensive QC testing for sterility, endotoxin, adventitious agent, and mycoplasma on most products



#### Expert support

- Experienced professionals to help navigate regulatory processes from research to commercial phase
- Cell therapy experts to help answer your questions

# Capabilities that span the immunotherapy workflow

From research to clinic and beyond, we have solutions to help you achieve your cell therapy goals



## Cell isolation and activation

Products intended for *ex vivo* isolation, activation, and expansion of human T cells in translational research with best-in-class purity, yield, and function.



## Cell engineering

Complete cell engineering solutions to meet your T cell delivery needs, including vector construction, production and purification, vector delivery, electroporation, and gene editing tools.



## Cell expansion

Extensive selection of cell expansion media and reagents including serum-free media, serum replacement, growth factors, wash buffers, and cryopreservation solutions. We also offer bioreactors, cultureware, cell culture bags, and custom media for a complete cell expansion solution.



## Cell analysis

Equipment, tools, and reagents for cell counting, whole cell analysis, protein analysis, and genetic analysis, along with safety testing including endotoxin and mycoplasma. State-of-the-art cell characterization tools for your in-process and lot-release testing needs.



## Cell delivery

Clinical trial logistics support, cGMP compliant global biobanking, cryogenic distribution expertise, and comprehensive supply chain management for autologous and allogeneic cell therapies.





## Ordering information

Product	Quantity	Cat. No.
<b>Gibco™ CTS Dynabeads™ magnetic beads—intended for <i>ex vivo</i> isolation, activation, and expansion of human T cells in translational research</b>		
CTS™ Dynabeads™ CD3/CD28*	10 mL	40203D
CTS™ DynaMag™ Magnet**	1 each	12102
<b>Gibco™ CTS Immune Cell Serum Replacement—defined xeno-free formulation designed to support expansion of <i>in vitro</i> cultured human T cells when supplemented to a basal culture medium</b>		
CTS™ Immune Cell Serum Replacement†	50 mL	A2596101
CTS™ Immune Cell Serum Replacement†	500 mL	A2596102
<b>Gibco™ CTS AIM V™ Medium—serum-free formulation for proliferation and manipulation of T cells and dendritic cells</b>		
CTS™ AIM V™ Medium‡	1 L	0870112DK
CTS™ AIM V™ Medium‡	10 L	0870112BK
<b>Gibco™ CTS™ OpTmizer™ T Cell Expansion SFM—serum-free, xeno-free medium for the growth and expansion of human T cells</b>		
CTS™ OpTmizer™ T Cell Expansion SFM‡ (bottle)	1 L	A1048501
CTS™ OpTmizer™ T Cell Expansion SFM‡ (bag)	1 L	A1048503
<b>Gibco™ CTS™ cytokines and growth factors—high-quality CTS cytokines and growth factors for T cell and dendritic cell applications</b>		
CTS™ GM-CSF Recombinant Human Protein*	100 µg	CTP2011
CTS™ GM-CSF Recombinant Human Protein*	1 mg	CTP2013
CTS™ TNF-α Recombinant Human Protein*	100 µg	CTP3011
CTS™ TNF-α Recombinant Human Protein*	1 mg	CTP3013
CTS™ Interleukin 2 Recombinant Human Protein*	100 µg	CTP0021
CTS™ Interleukin 2 Recombinant Human Protein*	1 mg	CTP0023
CTS™ Interleukin 4 Recombinant Human Protein*	100 µg	CTP0041
CTS™ Interleukin 4 Recombinant Human Protein*	1 mg	CTP0043
CTS™ Interleukin 7 Recombinant Human Protein*	100 µg	CTP0071
CTS™ Interleukin 7 Recombinant Human Protein*	1 mg	CTP0073
<b>Gibco™ CTS™ Reagents</b>		
CTS™ DPBS (with calcium chloride and magnesium chloride)**	1 L	A1285801
CTS™ DPBS (without calcium chloride and magnesium chloride)**	1 L	A1285601
CTS™ GlutaMAX™-I Supplement**	100 mL	A1286001

**CAUTION:** Not intended for direct administration into humans or animals, unless noted otherwise.

\* For Research Use or Noncommercial Manufacturing of Cell-based Products for Clinical Research.

\*\* For Research Use Only or Manufacturing of Cell, Gene, or Tissue-based Products.

† For *In Vitro* Diagnostic Use.

‡ For Human *Ex Vivo* Tissue and Cell Culture Processing Applications.

Find out more about our cell therapy products and services at [thermofisher.com/celltherapy](https://thermofisher.com/celltherapy) or email us at [cts@thermofisher.com](mailto:cts@thermofisher.com)

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