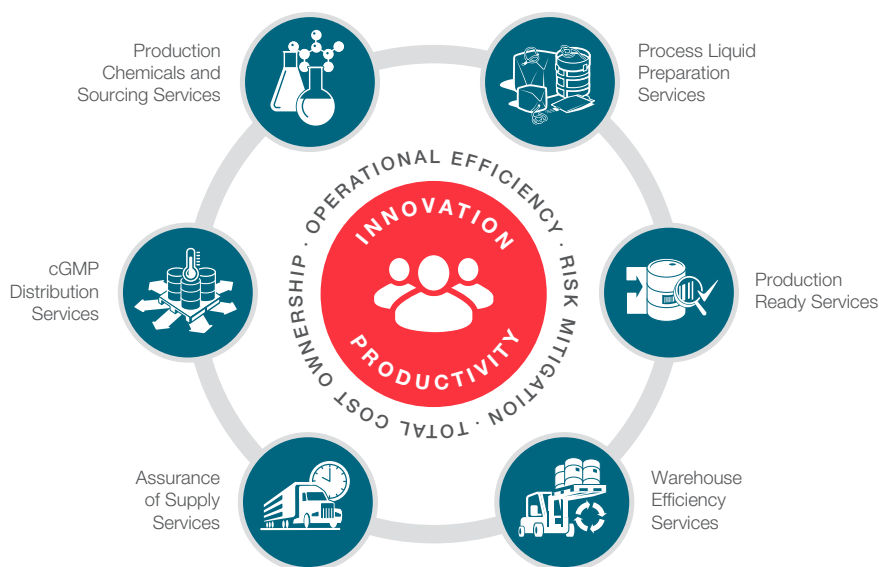


# Thermo Scientific Production Chemicals and Services

Our customers — our focus

We help accelerate innovation and enhance productivity for our customers.



## Production Chemicals and Sourcing Services

Mitigate risk

### Chemical Categories

- |                       |  |                     |            |
|-----------------------|--|---------------------|------------|
| • Acid/Base solutions | • Carbohydrates                              | • Denaturants       | • Minerals |
| • Amino acids         | • Chromatography resin cleaning/preservation | • Emulsifiers       | • Salts    |
| • Biological buffers  | • Cleaning agents and disinfectants          | • High purity water | • Solvents |
| • Biological reagents |  | • Media supplements | • Vitamins |

### Suppliers

- |                          |                     |                               |                     |
|--------------------------|---------------------|-------------------------------|---------------------|
| • Advanced Bioprocessing | • Decon Labs        | • Ingredion                   | • Spectrum Chemical |
| • ADM                    | • DSM Nutritional   | • Intermountain Life Sciences | • STERIS            |
| • Avantor                | • Dober             | • Irvine Scientific           | • Tangram           |
| • Biospectra             | • Fisher Chemical   | • Kerry                       | • Tedia             |
| • BioVectra              | • GAC Chemicals     | • Niacet                      | • Veltek            |
| • Chattem Chemicals      | • Gibco             | • Reliable Biopharma          |                     |
| • Chemtrade Logistics    | • GJ Chemicals      | • Ricca Chemical              |                     |
| • Corning Mediatech      | • Greenfield Global |                               |                     |

## Direct Material Supply Chain Services

Streamline your supply chain operations



### cGMP Distribution Services

Consolidate distribution workflows

- Order Management
- Procurement
- Material Receipt & Handling
- Outbound Logistics Management
- Quality Management System
- Technology Systems
- Direct Material Supply Chain Process Mapping & Assessment



### Assurance of Supply Services

Ensure supply availability with short lead times and high OTIF performance

- Custom Stocking Agreements/Inventory Management



### Warehouse Efficiency Services

Streamline inbound direct material receipt

- Custom Labeling and Barcoding
- Poly Palletization
- Recycling of Empty Containers
- Returnable Fleet Management
- Dip Tube Exchange



### Production Ready Services

Reduce capital and operating expenses

- Raw Material Sampling
- Production Material QC/QA Inspection
- Production Material Release Service
- Virtual Consignment



## Process Liquid Preparation Services

Simplify process liquid and buffer manufacturing

Since your workflow is unique to you, let us collaborate to build a fit-for-purpose solution that meets your facility's specifications. **Process Liquid Preparation Services** simplifies preproduction workflows—both upstream and downstream—by delivering process liquid and buffer preparation solutions that enable you to produce life-changing therapeutics and vaccines, faster.

Dry powders

Pre-made liquids



#### Standard packaging

Chemicals in standard, supplier-designated packaging, ready for weighing, dispensing, and hydrating



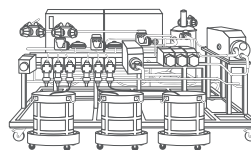
#### Trusted-weight pack sizes

Chemicals pre-weighed and packaged to customer specifications, ready for dispensing and hydrating



#### Ready-to-connect containers

Chemicals in customer-specified packaging for ease of tank connection, ready for hydrating



#### Concentrated stock solutions

Concentrates packaged in bioprocess containers (BPCs), ready for in-line dilution



#### Ready-to-use (1X) process liquids/buffers

Hydrated chemicals packaged in bioprocess containers (BPCs), ready for production jobs

Find out more at: [thermofisher.com/innovateproductivity](https://thermofisher.com/innovateproductivity)

U.S. Service Centers: CA | FL | MD | MA | NC

U.S. Customer Service: 919-598-1986

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

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