

## Bioprocessing

# Process liquids preparation services



## From catalog products to our buffer library to custom solutions

Thermo Fisher Scientific offers process liquids preparation services to help biopharmaceutical manufacturers accelerate speed-to-market, improve productivity through simplifying their process liquid and buffer preparation activities, and reduce warehousing and storage limitations via outsourcing.

We provide a wide variety of formulations for use throughout bioproduction workflows in the following formats:

- Ready-to-use liquids and buffers
- Ready-to-dilute concentrates
- Ready-to-hydrate dry powder formats

Additionally, we provide chemical repacking services at trusted-weight (25 gm–75 kg) and nominal-weight (1 kg–75 kg) pack sizes, and high-temperature short-time (HTST) pasteurization treatment on carbohydrates.

Biomanufacturing customers can benefit from outsourcing preparation of their bioprocessing liquids and buffers, which helps maximize productivity from process development and early-phase clinical trials through commercialization. Outsourcing

preparation of bioprocessing liquids and buffers will help product consistency, reduce chemical handling and storage, improve compliance, and reduce capital investments. Biomanufacturing customers can then focus on core activities.

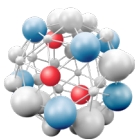
### Gibco™ process liquids are designed to:

- Streamline in-house hydration processes
- Scale up manufacturing processes quickly and efficiently
- Alleviate storage challenges
- Free up time and resources

### Our process liquids:

- Are manufactured under Current Good Manufacturing Practice (CGMP) regulations
- Come in a variety of package sizes
- Can be used throughout upstream and downstream bioproduction workflows
- Can be completely customized to meet your needs

## Our product and services portfolio includes:



### Process liquids catalog products

Our process liquids catalog products are high quality and ready to use, coming with accessible quality documentation to help facilitate efficient and compliant bioprocessing. Catalog products are available in 5 L,\* 20 L, and 200 L pack sizes to facilitate your bioproduction needs. Products from the catalog are made-to-stock (MTS), so you can order now.

- [Gibco™ Water for Injection \(WFI\) for Cell Culture](#)
- [Gibco™ Sodium Hydroxide \(NaOH\), 0.1 M, 0.5 M, or 1.0 M](#)
- [Gibco™ Sodium Chloride \(NaCl\), 0.1 M, 0.2 M, 0.5 M, 1.0 M, or 2.0 M](#)
- [Gibco™ Ethanol \(EtOH\), 20%](#)

\* 5 L pack size available for NaCl and EtOH.

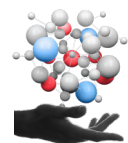


### Process Liquids and Buffers Library

The Gibco™ Process Liquids and Buffers Library includes common solutions and concentrates that are made-to-order (MTO) and available in multiple sizes to help accelerate the manufacturing process at any scale. Solutions from this library have established formulations and packaging options, including bioprocess containers (BPCs), and have been tested so you can order now with confidence.

- Balanced salts, including PBS, DPBS, and HBSS
- Process buffers, including sodium acetate, sodium citrate, amino acids, etc.
- Concentrates, including citric acid, NaCl, NaOH, sodium phosphate, etc.
- HTST sugars, including 25%, 40%, and 50% (w/v)

The full list can be found [here](#).



### Custom solutions

If the exact formulation and configuration that is required in your workflow is not currently included in our catalog or buffer library, we offer a fully customized service of made-to-suit rehydrates and powders (single- or multi-component):

- We can accommodate most formulations in a variety of packaging configurations
- We offer customizable stability and quality testing to support your workflow needs
- Additional services could include strategic raw material stocking or storage of finished goods

In addition, we offer a process walk (Gemba) to identify areas for workflow process streamlining and setup. An economic cost modeling tool can help manufacturers understand in-house buffer preparation variables and compare in-house production vs. outsourcing.

Contact your Fisher Scientific sales representative to request more information.

Find out more at [fishersci.com/gibco](https://fishersci.com/gibco) or [fishersci.ca/gibco](https://fishersci.ca/gibco)

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