

Custom Buffer Solutions at Any Scale

Formulations and packaging configurations to suit all applications

- Designated animal component-free (ACF) cGMP buffer manufacturing
- Liquid batch sizes from 50 L to 10,000 L
- Deep industry insight into the global shipment of bulk liquids, ensuring appropriate temperature control and product integrity
- Customized fill volumes and bioprocess container (BPC) options to meet your process requirements
- Industry-leading turnaround times



Increase production efficiency & capacity

Outsourcing your standard or bulk buffer needs to an expert supply partner is the simplest and most economical method to increase your production capacity.

- Limited capital investment
 - Gain an increased buffer manufacturing capacity at a fraction of the cost
 - Lower your risk while speeding up your manufacturing turnaround times
- Reduced output costs
 - Larger batch sizes reduce production and QA costs
 - Overcome capacity constraints
- Quality you can rely on
 - Quality Management System and Raw Material Program to meet quality requirements
 - cGMP, FDA, and ISO 13485:2016 certified and inspected facility
 - Raw material supply chain controls and CIP/COP purified water
 - Dedicated ACF production space



A scalable, consistent & comprehensive bulk buffer source

Whether you are seeking standard or custom formulations, FUJIFILM Irvine Scientific is positioned to support your needs at any point in the development or manufacturing process with:

Standard & custom solutions

An assortment of standard buffer formulations to serve an array of development, manufacturing, and commercial needs available in flexible packaging options. If standard formulations do not meet your requirements, our media experts will develop the right custom buffer solution for your application.

Lot-to-lot consistency & scalability

An industry-leading Quality Management System and Raw Material Program, along with cGMP manufacturing facilities and expert scientific and regulatory oversight assure lot-to-lot consistency and performance, as well as scalability from small to large batches.

Examples of Process Liquids and Buffers

- Ammonium sulfate
- Disodium hydrogen phosphate (DSP)
- Dextrose
- Citrate buffer
- Earle's Balanced Salt Solution
- Glucose/sucrose
- EDTA
- Glycine
- HEPES/MOPS
- Histidine
- HBSS
- MES
- PBS/DPBS
- Potassium phosphate
- Sodium bicarbonate
- Sodium chloride
- Sodium phosphate
- Sodium sulfate
- Tris/Bis-Tris
- Tween 80
- Water for injection (WFI)

Flexible packaging solutions to suit all applications

FUJIFILM Irvine Scientific offers a range of flexible packaging options aimed to suit all bulk buffer requirements.

Key Benefits:

- Flexible and customizable packaging
 - Options range from 50 mL vials to 500 L bioprocess containers (BPCs)
- Standard packaging
 - Standard options offer an economical and quick turnaround solution for a variety of applications
- Operator convenience & process continuity
 - Packaging options designed for seamless integration into your processes at each phase, including R&D, Process Development, preclinical stages, and full cGMP production scale
- Secure shipping
 - All large BPCs are shipped in rigid plastic drums with liners and leads
- TepoFlex packaging
 - FUJIFILM Irvine Scientific utilizes Meissner TepoFlex film for all bulk liquid packaging. Certified animal component-free (ACF) and made from polyolefin-based film, TepoFlex packaging is optimized for single-use system requirements of the biopharmaceutical industry
 - TepoFlex BPCs combine low extractable and leachable properties with industry-leading gas and water vapor barrier qualities

Life. Support.

With over 45 years of industry experience, FUJIFILM Irvine Scientific is focused on providing the highest quality cell culture media. We are dedicated to bringing life to products, and ultimately, to the patients who benefit from the resulting therapeutic advances. World-renowned for our unwavering commitment to full-spectrum partnership, FUJIFILM Irvine Scientific has defined the industry standard in support, innovation, and best-in-class turnaround time.

Contact your FUJIFILM Irvine Scientific sales representative or visit us at www.irvinesci.com to take advantage of our bulk liquid buffer solutions.

FUJIFILM
Value from Innovation

TepoFlex is a registered trademark of Meissner Filtration Products, Inc.

FUJIFILM Irvine Scientific and its logo are registered trademarks of FUJIFILM Irvine Scientific, Inc. in various jurisdictions. ©2020 FUJIFILM Irvine Scientific. P/N 003979 Rev.01

 IrvineScientific

www.irvinesci.com