



Cell and Gene Therapy Catalog

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Cell Culturing

BioLoc™ Cell Culturing Bags

BioLoc™ Cell Culturing Bags redefine the science of cell cultivation. Sterile and single-use, these closed system products are meticulously crafted for the cultivation and transduction of both adherent and non-adherent cells. Engineered for effortless integration into your current workflow.

Elevate your cell culture process to unparalleled levels of efficiency and safety by incorporating BioLoc™ fluid management systems, BioLoc™ filtration devices, and our comprehensive range of BioLoc™ products. Together, they form the ultimate closed system solution, tailor-made for the perfection of your cell culture endeavors.

Sterility: SAL 10⁻⁶

Material: USP Class 6, chemically and biologically inert, DEHP free

OTS Sizes: 2 mL to 2000 mL (Custom sizes available)

OTS Connections: Sterile dock sealed end, luer and cap, swab-able needle free valve, quick connect (custom connections available)

Produced Under: GMP, ISO 13485, Class VI Cleanroom

Packaging: Double packed for sterility and aseptic presentation

Series 1: Flow-Through Cell Culture Bags



Series 1 with 2 Port	Adherent	Non-adherent
3mL	BLC3.12A	BLC3.12N
10mL	BLC10.12A	BLC10.12N
12mL	BLC12.12A	BLC12.12N
30mL	BLC30.12A	BLC30.12N
32mL	BLC32.12A	BLC32.12N
70mL	BLC70.12A	BLC70.12N
72mL	BLC72.12A	BLC72.12N
120mL	BLC120.12A	BLC120.12N
198mL	BLC198.12A	BLC198.12N
240mL	BLC240.12A	BLC240.12N
250mL	BLC250.12A	BLC250.12N
275mL	BLC275.12A	BLC275.12N
290mL	BLC290.12A	BLC290.12N
300mL	BLC300.12A	BLC300.12N
325mL	BLC325.12A	BLC325.12N
500mL	BLC500.12A	BLC500.12N

Series 2: Standard Cell Culture Bags

Series 2 with 1 Port	Adherent	Non-adherent
3mL	BLC3.21A	BLC3.21N
10mL	BLC10.21A	BLC10.21N
15mL	BLC15.21A	BLC15.21N
30mL	BLC30.21A	BLC30.21N
32mL	BLC32.21A	BLC32.21N
70mL	BLC70.21A	BLC70.21N
120mL	BLC120.21A	BLC120.21N



Series 2 with 2 Ports	Adherent	Non-adherent
70mL	BLC70.22A	BLC70.22N
120mL	BLC120.22A	BLC120.22N
198mL	BLC198.22A	BLC198.22N
240mL	BLC240.22A	BLC250.22N
250mL	BLC250.22A	BLC250.22N
275mL	BLC275.22A	BLC275.22N
290mL	BLC290.22A	BLC290.22N
300mL	BLC300.22A	BLC300.22N
325mL	BLC325.22A	BLC325.22N
500mL	BLC500.22A	BLC500.22N
750mL	BLC750.22A	BLC750.22N
1L	BLC1000.22A	BLC1000.22N
2L	BLC2000.22A	BLC2000.22N
2.5L	BLC2500.22A	BLC2500.22N
3L	BLC3000.22A	BLC3000.22N



Series 2 with 3 ports	Adherent	Non-adherent
240mL	BLC240.23A	BLC240.23N
250mL	BLC250.23A	BLC250.23N
275mL	BLC275.23A	BLC275.23N
290mL	BLC290.23A	BLC290.23N
300mL	BLC300.23A	BLC300.23N
325mL	BLC325.23A	BLC325.23N
500mL	BLC500.23A	BLC500.23N
750mL	BLC750.23A	BLC750.23N
1L	BLC1000.23A	BLC1000.23N
2L	BLC2000.23A	BLC2000.23N
2.5L	BLC2500.23A	BLC2500.23N
3L	BLC3000.23A	BLC3000.23N
5L	BLC5000.23A	BLC5000.23N



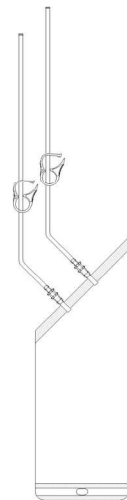
Cell Culturing

Series 3: Easy Empty Cell Culture Bags

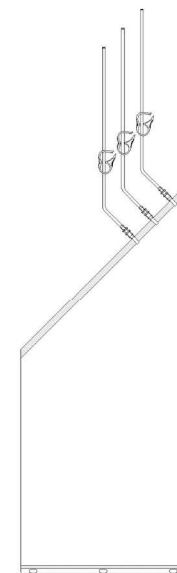
Series 3 with 1 Port	Adherent	Non-adherent
70mL	BLC70.31A	BLC70.31N
120mL	BLC120.31A	BLC120.31N



Series 3 with 2 Ports	Adherent	Non-adherent
70mL	BLC70.32A	BLC70.32N
120mL	BLC120.32A	BLC120.32N
198mL	BLC198.32A	BLC198.32N
240mL	BLC240.32A	BLC240.32N
250mL	BLC250.32A	BLC250.32N
275mL	BLC275.32A	BLC275.32N
290mL	BLC290.32A	BLC290.32N
300mL	BLC300.32A	BLC300.32N
325mL	BLC325.32A	BLC325.32N
500mL	BLC500.32A	BLC500.32N
750mL	BLC750.32A	BLC750.32N
1L	BLC1000.32A	BLC1000.32N
2L	BLC2000.32A	BLC2000.32N
2.5L	BLC2500.32A	BLC2500.32N



Series 3 with 3 Ports	Adherent	Non-adherent
300mL	BLC300.33A	BLC300.33N
325mL	BLC325.33A	BLC325.33N
500mL	BLC500.33A	BLC500.33N
750mL	BLC750.33A	BLC750.33N
1L	BLC1000.33A	BLC1000.33N
2L	BLC2000.33A	BLC2000.33N
2.5L	BLC2500.33A	BLC2500.33N



Series 4: Hybrid Cell Culture Bags

Series 4 with 1 Port	Adherent	Non-adherent
3mL	BLC3.41A	BLC3.41N
7mL	BLC7.41A	BLC7.41N
10mL	BLC10.41A	BLC10.41N
20mL	BLC20.41A	BLC20.41N
30mL	BLC30.41A	BLC30.41N
32mL	BLC32.41A	BLC32.41N
70mL	BLC70.41A	BLC70.41N
72mL	BLC72.41A	BLC72.41N
120mL	BLC120.41A	BLC120.41N
198mL	BLC198.41A	BLC198.41N
240mL	BLC240.41A	BLC240.41N
250mL	BLC250.41A	BLC250.41N



Series 4 with 2 Ports	Adherent	Non-adherent
70mL	BLC70.42A	BLC70.42N
120mL	BLC120.42A	BLC120.42N
198mL	BLC198.42A	BLC198.42N
240mL	BLC240.42A	BLC240.42N
250mL	BLC250.42A	BLC250.42N
275mL	BLC275.42A	BLC275.42N
290mL	BLC290.42A	BLC290.42N
300mL	BLC300.42A	BLC300.42N
325mL	BLC325.42A	BLC325.42N
400mL	BLC400.42A	BLC400.42N
500mL	BLC500.42A	BLC500.42N
750mL	BLC750.42A	BLC750.42N
1L	BLC1000.42A	BLC1000.42N
2L	BLC2000.42A	BLC2000.42N
2.5L	BLC2500.42A	BLC2500.42N

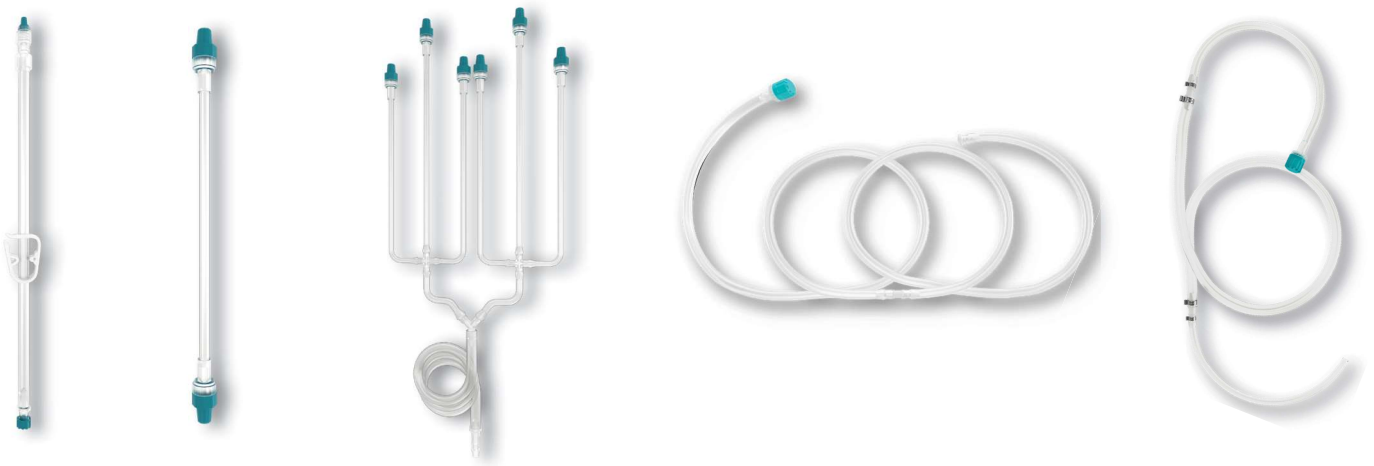


Fluid Management

BioLoc™ Fluid Transfer Sets

BioLoc™ Fluid Transfer Sets are meticulously engineered to meet the exacting standards of cell therapy production and quality control. Tailored to harmonize with your unique processes, these precision-crafted, closed system sets ensure a contamination-free environment, safeguarding the integrity of your critical fluid transfers. Embrace the BioLoc™ advantage and witness a transformative leap in the success and reliability of your cell therapy endeavors.

Transfer Tubing

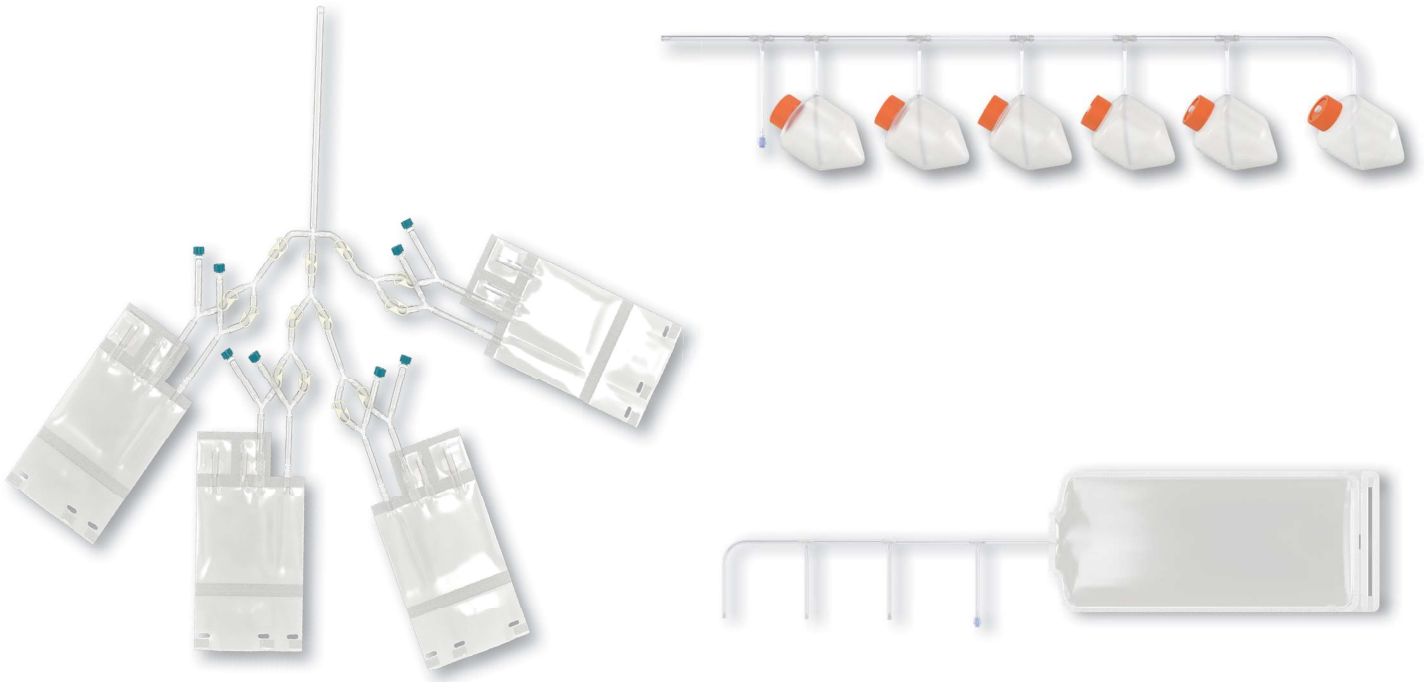


The Right Fit for your Fluid Management System

Creating a fluid management system that allows you to:

- **Precisely deliver and remove fluids** to ensure optimal environment
- **Regulate the microclimate** to remain consistently within necessary parameters
- **Maintain sterility** to ensure the integrity of your process
- **Manage waste** to maintain proper environment
- **Integrate seamlessly** within existing infrastructure and equipment
- **Optimize processes** to meet the exact requirements of your workflow
- **Create flexibility and scalability** to adapt to changes and growth

Manifolds



Creating a fluid management system that perfectly fits your processes by offering limitless options in:

- **OD and ID sizes** to meet flow rate requirements and ensure compatibility within existing systems
- **Connections** to ensure smooth fluid pathways and sterile connections throughout the system
- **Materials** to ensure biocompatibility and effectiveness within temperature parameters
- **Configurations** to meet the precise needs of your process
- **Designs** to align to your specific processes and needs

Sterility: SAL 10^{-6}

Material: USP Class 6, chemically and biologically inert, DEHP free

Produced Under: GMP, ISO 13485, Class VI Cleanroom

Packaging: Double packed for sterility and aseptic presentation

C2C Delivery¹: Yes

¹ Cleanroom-to-Cleanroom delivery model is Instant Systems' proprietary model for producing, packaging, sterilizing, and shipping product to customers, so that the products remain in a cleanroom environment the entire time. This ensures the highest level of debris management.

Filtration

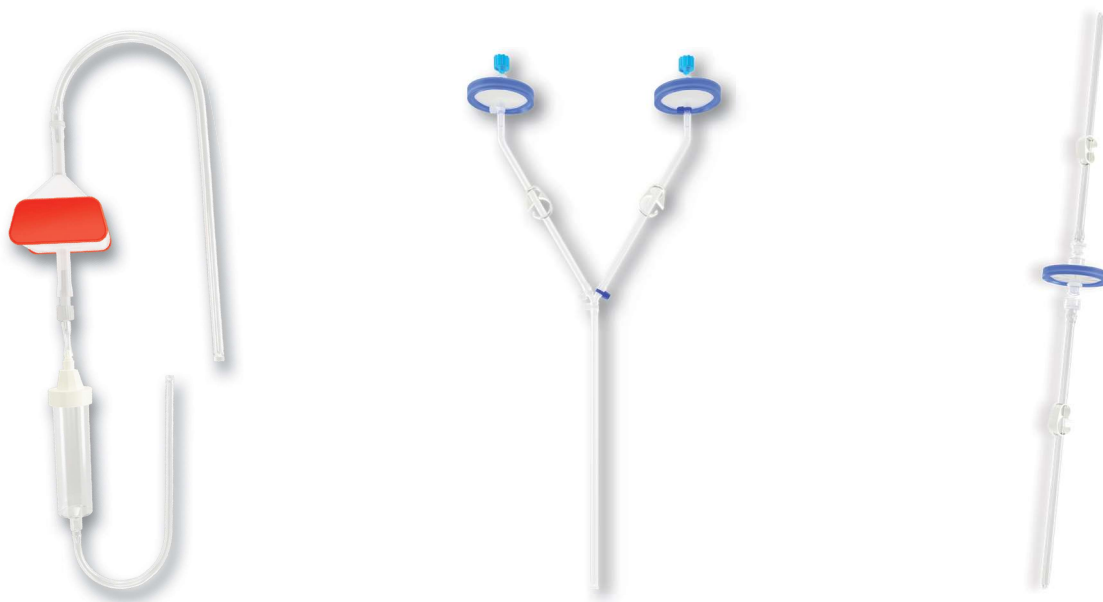
BioLoc™ Filter Bags and Tubing Sets play a crucial role in purifying and safeguarding your therapeutic products. Expertly designed to eliminate biological contaminants and particulate matter, they ensure the highest levels of purity, safety, and efficacy in your outputs. This series features a diverse selection of designs, filter sizes, connections, and components, all engineered for seamless integration into your existing workflow.

Enhance your cell culture processes with the unmatched efficiency and safety provided by the BioLoc™ suite of products. Incorporate our fluid management systems, filtration devices, and the extensive array of BioLoc™ products to construct the ultimate, closed-system solution. BioLoc™ sets the standard for excellence, ensuring your endeavors not only meet but exceed expectations.

Filter Bags



Filter Tubing



Barrier Bags

Waste Bags

Single-use waste bags are utilized to collect fluid and waste during cell processing. Weldable and sealable tubing, as well as connector options, are available. Additionally, various sizes, tubing options, and port configurations are offered. Hanger holes and rods are included.



Media Bags

Media bags with sterile, sealable/weldable tubing are provided to assist with closed-systems. They are available in manifold configurations and feature top and bottom/flow-through designs. Additionally, various tubing, port configuration, and connector options are available to suit your application needs. These bags come in a volume range from 5mL to 10L.



Cell Separation

Conical Tubes

CentriLoc™ offers a closed sterile system for the centrifugation, concentration, and resuspension of cells. The design allows for the easy removal of supernatant and addition of media within a protected, sterile, and closed environment.



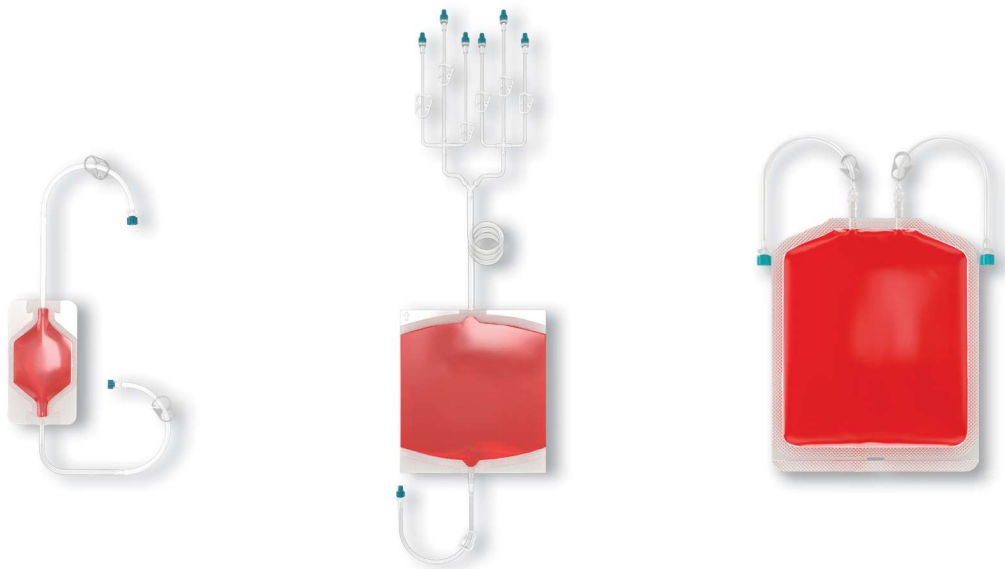
- Double aseptic packaging for GMP production
- Dip tube for aseptic transfer
- Additional tubing sets/filters can be incorporated
- Graduations on side of tube
- Weldable tubing



CAT #	95-004	95-003	95-005
Capacity	50mL	250mL	500mL
Materials	Polypropylene	Polypropylene	Polypropylene
Tubing ID	0.118"	0.120"	0.120"
Tubing OD	0.161"	0.161"	0.161"

Magnet Bags

For closed-system applications involving magnetic separation devices, the BioLoc™ Magnet Bags are tailored to facilitate bead removal in a sterile, closed environment.



- **Flat Design:** Designed to remain flat, a crucial feature for ensuring maximum penetration of the magnetic field.
- **Smooth Sides:** The smooth interior surfaces of these bags prevent cell aggregation and pooling, while maintaining a consistent flow of cells and to ensure uniform exposure to the magnetic field.
- **Sterility Preservation and Contamination Prevention:** Created as a closed-system to maintain sterility and prevent contamination.
- **Compatible with Magnetic Separators:** May be used with a myriad of magnetic separation devices to ensure the magnetic field is effectively applied to the solution inside the bag.
- **Volume and Scale Adaptability¹:** Designs can vary in size to accommodate different volumes and scales of experiments, from small-scale laboratory experiments to larger-scale industrial processes.
- **Ease of Use:** Can be easily integrated into existing workflows.

¹ BioLoc™ Magnet Bags are particularly useful in the clinical and industrial settings where maintaining a closed, sterile system is essential. They are also part of a broader trend towards more efficient, automated, and contamination-free processing in the life sciences.

Cryopreservation

Freezing Bags

CryoLoc™ Primary Freezing Bags are used for the storage of cells, tissues, and other biological samples at freezing and cryogenic temperatures, typically at or above -190°C. These bags are designed to withstand the extreme cold without cracking or leaking, ensuring the long-term viability of the stored material.

Temperature: Down to -196°C

Sterility: SAL 10⁻⁶

Material: USP Class 6, chemically and biologically inert, DEHP free

OTS Sizes: 6mL to 250mL

Custom Sizes: Available

OTS Connections: Sterile dock, luer and cap, swab-able needle free valves, sealed end

Custom Connections: Available

Produced Under: GMP, ISO 13485, Class VI Cleanroom



Overwraps

CryoLoc™ Overwraps are a vital element in the complete freezing storage system employed for cells, tissues, and other biological samples. These overwraps are designed to serve as an additional protective layer, playing an important role in containment. The peel-able designs ensure presentation of contents and maintain aseptic techniques.



Temperature: Down to -196°C

Sterility: SAL 10^{-6}

Material: USP Class 6, chemically and biologically inert, DEHP free

OTS Sizes: Designed as overwrap for OTS CryoLoc™ primary freezing bags

Custom Sizes: Available

Labeling: Pocket, flap, or tag hole designs

Produced Under: GMP, ISO 9100, ISO 13485, Class VI Cleanroom

See page 18 for a detailed overview of available overwrap design options and configuration. This section provides comprehensive information to help in the selection of the most suitable CryoLoc™ Overwrap design for your specific storage needs.

Identification

Label Pockets

Our integrated label pockets are meticulously designed to meet the crucial requirements of traceability, regulatory compliance, and patient safety. By seamlessly integrating these elements, our solution not only addresses these fundamental needs but also significantly enhances user convenience and operational efficiency.

Most designs are available in peelable and non-peelable variants.
All label pockets can be either detachable or non-detachable.

Side Fold Over

Allows the label pocket to fold over onto the product side pouch once the sealing process is complete. This design accommodates a larger label, while the product and label can be sealed at the same time, conserving time. This design ensures that the final packaged product can fit into its cassette or external packaging.



Bottom Pocket

Allows the pocket to extend past the bag's opening, where the product is inserted. A significant benefit of this configuration is the flexibility it offers in terms of when the label can be sealed.



Top Pocket

This design, referred to as “clear path,” ensures that the label does not share the same pathway as the product. The segregation of paths is particularly advantageous in sterile field operations, where it is crucial that the label does not compromise the sterile field of the product.



Dual Pocket

Introduces a unique three-layer, two-pocket configuration, with the label pocket running the entire length of the product bag. This design enhances the structural integrity of the packaging and allows for items beyond the label such as Instruction for Use (IFU) or other documents or small instruments.



Tags

CryoLoc Tag™: a revolutionary hang tag designed to seamlessly integrate into your existing validated systems without necessitating any changes.

- **Unparalleled Durability:** Maintains its integrity throughout the entire freeze/thaw cycle, ensuring that labels and critical information remain intact and legible.
- **Seamless Integration:** No need to overhaul your current systems - fits effortlessly into your established process
- **Ensured Compliance:** Ensures that necessary information accompanies your biologicals at all stages
- **Reliability in Extreme Conditions:** Eliminates the risk of lost or illegible labels.

CryoLoc Tag™ is a pivotal solution in the cryogenic processing and storage landscape, designed to meet the unique challenges faced by biologics companies. With CryoLoc Tag™, rest assured that your labeling will stand the test of temperature, time, and regulatory scrutiny.

Procurement, Sterilization, and Kitting Services

ISO 9001/13485 Certified
21 CFR 820 Compliant
Certified Class VI/ISO 1000 Cleanrooms
Validated Equipment and Processes
Fully Redundant Manufacturing Facilities

Procurement

Our experts create a highly flexible procurement service, tailored to your needs to increase efficiencies and reduce costs.

Sterilization

Choosing the best sterilization method must take into consideration many factors such as design, materials, packaging, and final case configuration. Because no sterilization method is right for every application.

Kitting & Assembly

Our highly skilled technicians assemble and kit to your requirements with meticulous accuracy. All assemblies are controlled and verified through Instant Systems' Quality Management System to provide complete traceability.

GMP Manufacturing

Three cGMP Compliant Manufacturing Plants (N1, N2, N4) containing seven cleanroom manufacturing suites; including five Class VI - ISO 1000 suites and two fully convertible cleanrooms. LEAN production lines and proprietary production systems allow for fast scale up to meet increases in demand. 24-hour inhouse sterilization available for "rush jobs" and third-party sterilization for standard jobs, both covered under Instant Systems' QMS and validated sterilization cycles.

Order Fulfillment

Same day fulfillment available for products covered under Purchase Agreements, two-day fulfillment available for OTS products, while "made to order" products are provided with verified fulfillment dates at time of order acknowledgement. Holding up to 18 months of critical raw material supplies for products covered under Purchase Agreements.