



# Providing Sterilization & Laboratory Services for the world's most innovative healthcare companies.

## From the Blog

### Medistri's Integrated Manufacturing: From Assembly to Final Delivery

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For a product to reach its final users in full compliance with its specifications, assembly and finishing activities must take place in a controlled and well-defined environment. From order intake through final delivery, Medistri follows a structured and validated manufacturing workflow designed to ensure consistency, quality, and regulatory compliance at every stage.

Our integrated approach allows manufacturers to rely on a single partner for assembly, packaging, sterilization, degassing, and quality control — all within a coordinated and traceable process.

#### A Structured Manufacturing Workflow

##### 1. Technical Alignment and Preparation

Each project begins with a detailed technical alignment phase. Customers complete a technical information sheet to define product specifications, components, packaging requirements, and any applicable constraints. This step ensures that all downstream activities are aligned with the intended use and regulatory expectations.

##### 2. Packaging Selection

Based on the product configuration and requirements, Medistri supports the selection of appropriate packaging solutions to be used during assembly and beyond. Common options include:

- Sterile packaging
- Standard plastic packaging
- Sustainable and recyclable packaging

Packaging choices are assessed to ensure compatibility with assembly, sterilization, and degassing requirements.

##### 3. Incoming Visual Inspection

Upon receipt of components, Medistri performs incoming inspections to verify conformity with defined specifications. This step helps ensure material quality and reliability before products enter the manufacturing process.

##### 4. Disinfection, Assembly, and Packaging

Before assembly, the incoming material is assessed to determine its microbiological status. When required, appropriate disinfection measures are applied to ensure controlled manufacturing conditions. Laboratory testing, such as bioburden analysis, is performed to establish the initial state and define the most suitable approach. Assembly and packaging activities are then carried out after material release by the Quality team, ensuring safe, controlled, and compliant operations.

##### 5. Sterilization and Degassing

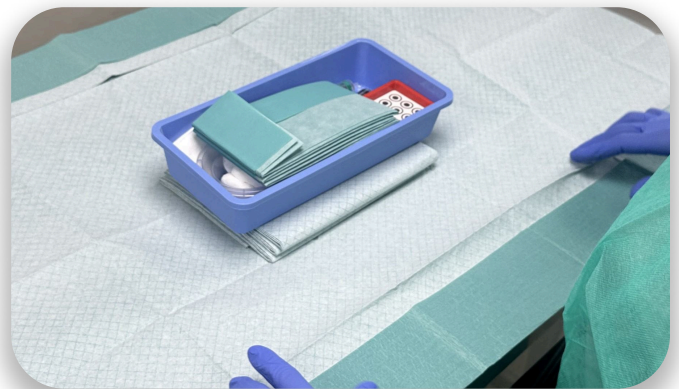
Once packaged, products proceed to sterilization. After EO sterilization, products undergo a controlled degassing phase to remove residual EO and reach safe levels for handling and use. During this phase, samples are taken for Biological testing, Endotoxin (LAL), residuals, and sterility testing in Medistri's in-house laboratory to confirm that the process meets the predefined method and regulatory requirements.

##### 6. Quality Control

Quality control activities are performed throughout the entire manufacturing process. In-process and final inspections ensure that products meet defined quality requirements and that all operations are executed in accordance with applicable standards and procedures.

##### 7. Delivery

Finished products are delivered to the customer's logistics center or directly to the final destination, supported by complete documentation and traceability.



#### An Integrated, Cross-Functional Approach

Medistri's Manufacturing team works closely with our Quality, Sterilization, and Laboratory teams to provide a fully integrated scope of services. This collaboration enables efficient coordination between assembly, sterilization, degassing, and quality verification activities.

Our manufacturing process supports the creation of fully customized kits, allowing customers to source quality products through a streamlined and controlled workflow.

With Medistri's GMP authorization, pharmaceutical products can also be integrated into personalized kits, expanding the scope of compliant manufacturing solutions available to our customers.

To learn more about Medistri's Manufacturing services, visit our website [here](#) or contact our team at [contact@medistri.com](mailto:contact@medistri.com).

[www.medistri.com](http://www.medistri.com)

— The Medistri Team