

Sterilization & Validation

- In-House Steam Sterilization
- In-House EtO Sterilization
- Biological Indicator (BI) Testing
- Contracted Gamma and e-beam

LSO offers comprehensive contract sterilization services and expertise to guide all medical device clients through the sterilization and validation of single use and reusable products and related documentation.



Contract sterilization and validation services for single use and reusable devices

- ✔ Quick-turn single LOT release EtO sterilization run in our in-house 3M chambers (chamber size: 8 ft³, 0.22 m³)
- ✔ In-house testing of biological indicator sterility, to reduce turnaround times for lot release
- ✔ Expedited validation services that leverage preexisting validated cycles
- ✔ Two pallet chamber cycles based on Sustainable "low concentration" cycles that meet future EPA guidelines
- ✔ Two pallet chamber cycles that reduce initial lead time by as much as 8 months due to our Strategic Relationship with the Sterilizer
- ✔ Validations developed for our small LOT chambers that can be transitioned to a 2 Pallet cycle as required



In-House Contract Sterilization Solutions

- ✔ In-House Steam Sterilization with 17 ft³, 19 ft³, and 74 ft³ sterilizers
- ✔ In-House EtO Sterilization 8 ft³ sterilizers
- ✔ Biological Indicator (BI) Testing
- ✔ Contracted Gamma and e-beam
- ✔ Contracted Large Chamber EtO capabilities



Navigating Regulatory Complexity and Accelerating Time to Market

- ✔ Steam Processing - ISO 17664 / 17665-1 & -2
- ✔ Ethylene Oxide Processing - ISO 11135
- ✔ Gamma Radiation Processing - ISO 11137
- ✔ E-Beam Radiation Processing - ISO 11137

Over the past 25 years, Life Science Outsourcing has partnered with more than 1,400 medical device innovators to streamline production and navigate complex regulatory requirements.



Medical Device
Manufacturing



Medical Package
Testing



Sterilization &
Validation



Cleaning &
Decontamination



Fulfillment &
Distribution



Quality Incubator
Support