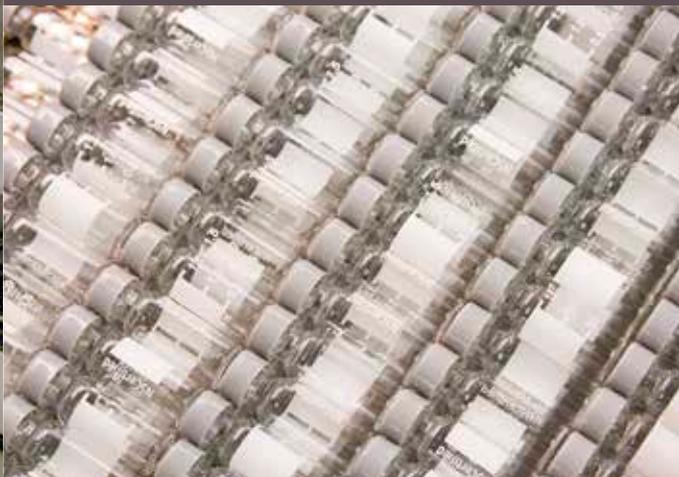




Thermo Scientific EP
Custom Cleaning Services



cleaning excellence for your storage containers

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SCIENTIFIC

the only thing in your container is what you add

Thermo Scientific™ EP Custom Cleaning Services have the flexibility to meet your cleaning requirements, whether your cleaning needs are for high volumes or smaller quantities. We have the capability to clean glass, plastic containers, stoppers, closures or other component parts.

Send us your materials or purchase from our extensive line of standard and custom products. We can process containers from 100µL to 4L. All cleaning services and packaging is done in our certified class 100/10 cleanroom with documented traceability and GMP compliance.

Save in-house processes.
Dedicate your time to
the manufacturing
process – not cleaning

Low Particle Wash Service

High-purity 17 water filtered to sub-micron levels for the particulate cleaning. This highly-aggressive, low-particle water is heated and used for particulate reduction.

Applications:

- Particulate removal
- Cleanroom environments

Siliconization Service

Siliconized products are physically coated with a medical-grade silicone emulsion to prevent sample material from reacting with the glass container.

Applications:

- Proteins
- Assays of blood serum
- Pharmacological assays of therapeutic drugs

Silanization Service

A methylsilylating agent is introduced by vapor phase deposition onto the surface of the disposable glassware. This treatment inhibits materials from adhering onto the surface of the container, allowing for maximum recovery of the contents.

Silanization is a process that permanently bonds to the surface reducing material retention and active site interactions in glass containers

Applications:

- Trace organic analysis
- Storage of materials prone to adhering to glass
- Extraction glassware



Depyrogenated Glass/ Depyrogenation Service

Thermo Scientific provides glass vials and other containers that have been specially prepared to meet endotoxin levels of less than 0.06 EU/mL. A variety of sizes are available. Depyrogenated vials and containers may also be requested with additional certifications.

We can depyrogenate any glass as a service. The process uses dry heat at 250 degrees Celsius for a minimum of two and one half-hours. Cleaning and packaging is performed inside a Class 100 cleanroom.

Applications:

- Non-parenteral uses such as water sampling and testing of endotoxins
- Storage, transportation or packaging of pharmaceutical or biological compounds
- Storage of lab reagents and media

Sterilization Services

We offer a number of sterilization services to effectively destroy all viable forms of life, including bacterial spores to a sterility assurance level (SAL) of 10^6 . Services include gamma irradiation, dry-heat, autoclave or e-beam.

Applications:

- Injectable or parental drugs
- Lyophilization
- Final packaging prior to drug delivery
- Stability studies



To request a quote for your custom cleaning needs, go to www.thermoscientific.com/cleanrequest. If you have any questions, feel free to phone us Monday through Friday 8:30 am to 4:30 pm EST at +1 800 228 4931 (outside the United States: +1 865 717 1986).

Clean Room Process



Services Application Guide	Irradiation	Sterile foil-wrap	Steam sterilization	Depyrogenation	Silanzation	Siliconization
Injectable or parenteral drugs	●	●	●	●		
Lyophilization	●		●	●		
Final packaging prior to drug delivery	●		●	●		
Stability studies	●	●	●	●		
Clinical trials	●	●		●		
Proteins					●	●
Assays of blood serum					●	●
Pharmacological assays of therapeutic drugs					●	●

www.thermoscientific.com/customcleaning

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Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

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