



Your Trusted EtO Sterilization Partner



Powered by Leading Sterilization Experts.

mediplast.co.il



Sterilization Done Right. From Day One.

Sterilization is a critical step in the medical device lifecycle.

Get it wrong—and timelines, approvals, and patient safety are at risk.

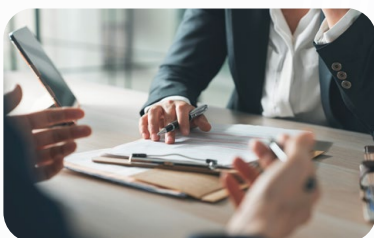
Medioplast helps companies get it right the first time, from development to commercial scale, with expert-led EtO sterilization consultancy, validation, and routine processing.

END-TO-END STERILIZATION SERVICES

01

Consultancy

Defining the optimal sterilization strategy, supporting product design, materials, packaging, and regulatory requirements.



Validation

End-to-end sterilization validation—from protocol to final report—in full compliance with ISO 11135.

02

03

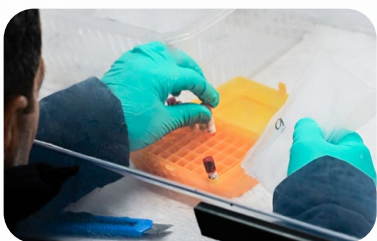
Sterilization

Advanced EtO sterilization, including low-temperature and low-humidity cycles, tailored to product-specific needs.





One Partner.
One Process.
Every Stage.



Testing

Independent microbiological and chemical testing by ISO 17025-certified laboratories.



Final Report

Clear, Regulator-ready
Validation Summary
Reports supporting audits
and submissions.

05

Storage & Shipment

Secure, regulatory- and security-approved storage for 700+ pallets, enabling direct onward shipment with controlled quality approval and final release.

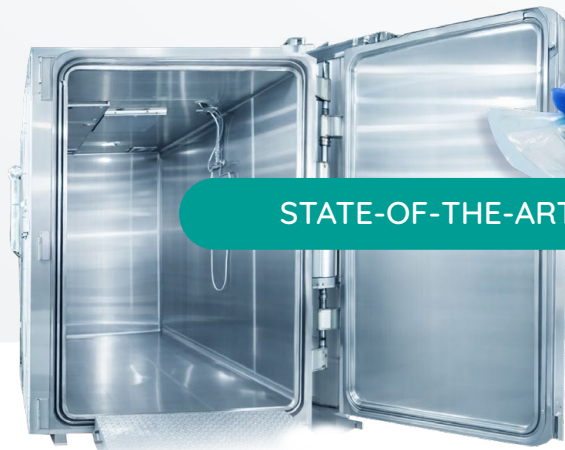
04

06



Built to accommodate scale From Start-Up to Global Production.

Medioplast operates state-of-the-art Ethylene Oxide (EtO) sterilization systems designed to adapt precisely to Product Requirements and Regulatory Constraints.



STATE-OF-THE-ART TECHNOLOGY



10 modern EtO sterilizers

200 liter, 2, 4, 6,
8, 10, 12, 14 & 15
pallet capacity.



Scalable volumes

From an envelope
to a 15-pallet load.
Process designed
with scalability in
mind.



Facility design

Best in class
EtO treatment
systems



Backup & Equivalence on all the lines



Low- temperature expertise

Ideal for sensitive
devices, combination
products, body
absorbable implants.
Coupled with
low temperature
aeration



Storage & Shipment

Storage for more than 700 pallets,
Regulatory & Security approved for direct onward shipment
Controlled Quality Approval & Final Release

Accelerate Your Path to Market.

Large global sterilizers prioritize high-volume routine processing, often creating long validation timelines for startups and new products. Medioplast removes these bottlenecks with fast, regulator-ready solutions.

Rapid Validation

Ideal for sensitive devices, combination products, body absorbable implants. Coupled with low temperature aeration

Early Access Samples

Early availability of sterilized samples to support development and clinical use without delays

Regulatory Alignment

Validation strategies aligned with FDA and EU Notified Body expectations

Global Readiness

Expert-led programs designed for worldwide regulatory acceptance

Global Scale-Up Support

Seamless transfer of Medioplast-validated sterilization cycles to manufacturing partners worldwide

Transferable Cycles

Globally transferable sterilization cycles requiring minimal equivalence testing

חסור
Quarantine



Advanced Cycle Development Next-Generation Design

Expert-led EtO cycle development aligned with evolving U.S. environmental and occupational exposure regulations.

Lower Residual Targets

Cycle designs meeting ever-decreasing EtO residual limits.

Eco-Optimized Cycle Design

Same sterility. Lower impact.

Eco-optimized cycle design delivers equivalent sterility assurance while significantly reducing EtO usage, product residuals, environmental emissions, and occupational exposure. This approach supports both regulatory compliance and sustainability goals.



10 pallets
650 mg/L
20 kg EtO

10 Pallet Load
600mg/L reduced
to 200mg/L
20kgs reduced to 6kgs

Traditional Cycle

Eco-Optimized

Full regulatory

Lower Residuals

Lower OH&S Risk
Reduced EO ppm
levels aligned with evolving
occupational health & safety
exposure requirements.

EtO residuals
reduced
from adult to
pediatric levels.

About Mediplast

Mediplast provides Ethylene Oxide (EtO) sterilization and validation services for the medical device industry. With 59 years of experience, we play a critical role in our clients' supply chains, supporting products from early development through commercial production.

As part of the Novolog Group, Mediplast combines regulatory expertise, advanced technology, and scalable operations to deliver reliable, compliant sterilization solutions worldwide.

Certifications & Regulatory Recognition



59 Years
of expertise



300+
Customers



10 EtO
Sterilizers



Scalable
1 m³ → 15 Pallets

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