



MicroGard® II

Pulmonary function filter

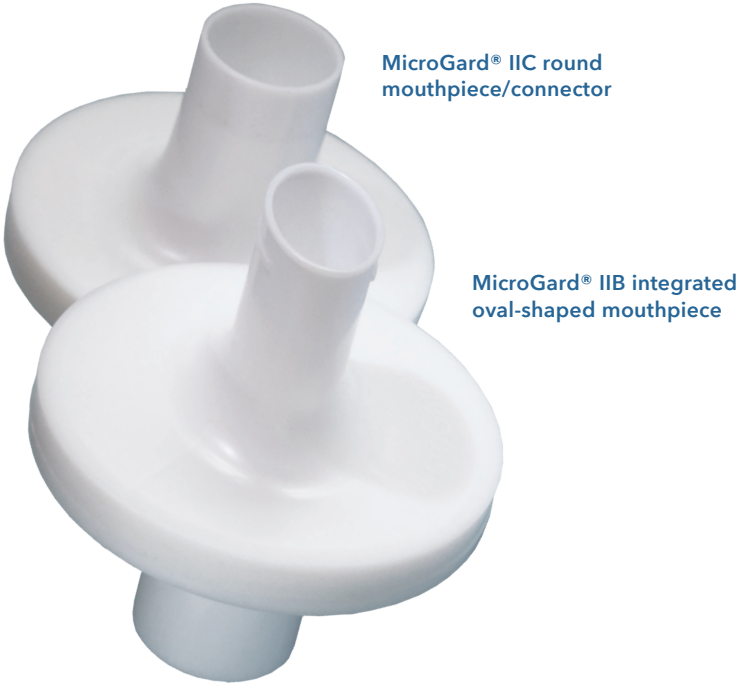


MicroGard® II pulmonary function filter

Our filters provide an easy way to help ensure protection from cross-contamination. The MicroGard® II stands for patient and operator safety without compromising on system performance and clinical output.

Key Features

- 99.9999% viral and bacterial efficiency against cross contamination
- Low resistance to airflow
- Minimal effective dead space (55 mL)
- Filter housing and filter fleece tested for biocompatibility
- 2 filters and 2 filter kits configuration versions
- Validated for compliance with the complete Jaeger Respiratory Diagnostics product line
- For many of the Jaeger products including all Vyntus™ PFT products, the use of the MicroGard® II filter reduces the cleaning cycle requirements for parts behind the filter to twice a year.¹



MicroGard® II filters are the filters of choice for use with Jaeger instrumentation.

The MicroGard® II filter series

- **MicroGard® IIB** with integrated oval shaped mouthpiece suitable for adult and pediatric use.
- **MicroGard® IIC** with round shaped connector for use with a special lung function mouthpiece, ideal for gas dilution and body plethysmography testing.

After extensive testing at the independent test labs Nelson Laboratories and UK Health Security Agency, we confirmed that the MicroGard® II bacterial/viral filter offers the right balance between optimized filtration efficiency and minimal resistance (Delta P) to airflow.² Based on strict Jaeger verification and validation processes, the MicroGard® II does not affect equipment measurement characteristics while protecting patient, operator and equipment from cross-contamination.

Ordering information		
Part no.	Description	Qty.(cs.)
V-892381	MicroGard® IIB (single filter, integrated oval shaped mouthpiece)	50
V-892384	MicroGard® IIC (single filter, round connector)	50
V-892391	Filter kit (MicroGard® IIB + noseclip)	80
V-892392	Filter kit (MicroGard® IIC + disposable mouthpiece + noseclip)	80

Product specifications

Bacterial & viral filtration efficiency against cross contamination:

- @low flows 30 LPM (Liters per minute)*
99,9999% bacterial
99,9999% viral
- @high flows 750 LPM (Liters per minute)**
99,8484% bacterial
99,6851% viral

*Nelson Laboratories ** UK Health Security Agency

Airflow resistance
<150 Pa/(L/s)* for the system MicroGard® II filter+ Ultrasonic Sensor Vyntus USS

*ATS Guidelines



REFERENCES

1. Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0193
2. "Viral Filtration Efficiency (VFE) at an Increased Challenge Level GLP Report", Nelson Laboratories, UT, Salt Lake City, Study Numbers: 1722703-S01, 1638259-S01, 1487570-S01, 1412080-S01
"Bacterial Filtration Efficiency (BFE) at an Increased Challenge Level GLP Report" Nelson Laboratories, UT, Salt Lake City, Study Numbers: 1722703-S01, 1638260-S01, 1487569-S01, 1412078-S01
24-009 An Evaluation Filtration Efficiencies Against Bacillus atrophaeus Bacterial Aerosol Challenge;
24-009 An Evaluation of Filtration Efficiencies Against MS-2 Coliphage viral Aerosol Challenges;
24-024 An Evaluation Filtration Efficiencies Against Bacillus atrophaeus Bacterial Aerosol Challenge;
24-024 An Evaluation of Filtration Efficiencies Against MS-2 Coliphage viral Aerosol Challenges



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