



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

- 99.999% viral and bacterial efficiency against cross contamination (*based on Nelson Test Report 10003754*)
- Low resistance to airflow
- Minimal dead space (55 mL)
- Filter housing and filter fleece tested for biocompatibility
- Three filter configuration versions, two package sizes
- Validated for compliance with the complete Vyaire Respiratory Diagnostics product line



MicroGard IIC round mouthpiece/connector



MicroGard IIB integrated oval-shaped mouthpiece

MicroGard II filters are the filters of choice for use with Vyntus™, Vmax®, MasterScreen, and Micro Medical pulmonary function testing (PFT) 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 special lung function mouthpieces, ideal for gas dilution and body plethysmographic measurements

Nelson Laboratory has done extensive testing on the MicroGard II filter.¹ This testing shows that the filter offers the right balance between optimized filtration efficiency and minimal resistance (*Delta P*) to airflow. Based on strict Vyair verification and validation processes, the MicroGard II does not affect equipment measurement characteristics while protecting patient, operator and equipment from cross-contamination.

Product specifications

- Inspiratory resistance: < 0.04 kPa/LPS at 1 L/sec (< 0.4 cmH₂O/L/sec at 1 L/sec)
- Expiratory resistance: < 0.04 kPa/LPS at 1 L/sec (< 0.4 cmH₂O/L/sec at 1 L/sec)
- Filtering efficiency against cross contamination:
 - Bacterial > 99.999%
(based on Nelson Test Report 10003754)
 - Viral > 99.999%
(based on Nelson Test Report 10003754)

* Minimum body weight of 27.5 kg



Ordering information		
Part no.	Description	Qty. (cs.)
V-892384	MicroGard IIC (single filter, round connector)	50
V-892391	Filter kit (MicroGard IIB, nose clip)	80
V-892392	Filter kit (MicroGard IIC, disposable mouthpiece, nose clip)	80



REFERENCES

1. A. Sandall, "Virus Filtration Efficiency Test (VFE) at an Increased Challenge Level GLP Report", Nelson Laboratories, UT, Salt Lake City, Laboratory Number 530460, May 2010

GLOBAL HEADQUARTERS

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