

Moisture removal filter



Specifically designed for use with the GastroCH₄ECK®

The GastroCH₄ECK® breath bag sampling filters remove both moisture and bacteria from the breath sample. This protects the GastroCH₄ECK® from moisture damage and contamination, providing excellent infection control.

The filter will gradually change colour from orange (dry) to dark green (saturated), indicating that replacement is required. Unlike some, Bedfont® use only non-carcinogenic drying methods for optimum safety.

Please note that these have a three month shelf life and will last for approximately 150 samples.



Specification

Dimensions	13cm x 2.5cm
Weight	0.024 kilo's

Specification

Moisture content at 145 °C:	2.0% maximum	
Absorption capacity at 50% relative humidity, 25 °C:	23% minimum	
Typical properties:		
Indicator content:	0.2% w/w	
Bulk density:	700-800 grams/litre	
BET surface area:	>600 m ² /g	
Pore volume:	0.35-0.45 ml/g	
Average pore diameter:	1.8 - 2.2	
Detection agent:	Amorphous silica impregnated with an organic indicator (methyl violet)	
Water- absorption capacity at 25 °C:		
20% r.h	>8% w/w	
35% r.h	>12% w/w	
50% r.h	>23% w/w	
80% r.h	>30% w/w	
Colour change:	Dark orange Olive green Dark green (replace)	10% w/w absorption 15% w/w absorption 20% w/w absorption (this will be approx 150 tests)
Bead size:	Less than 2 mm Greater than 5 mm	5.0% maximum 5.0% maximum

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References:

1 Public Health England. An Evaluation of Filtration Efficiencies Against Bacterial and Viral Aerosol Challenges Report No. 17/001. London: Public Health England; 2017.

Breath bags

Specifically designed for use with the GastroCH₄ECK®

The GastroCH₄ECK® breath bags have been specifically developed to capture as much of the end-tidal sample as possible. Breath samples can also be stored in these bags for up to one month, with no loss of concentration, making them ideal for remote testing and analysing at a later date.

One-way breath bag mouthpieces are supplied to ensure no loss of sample and increased infection control.

Breath bags are single-patient use only.

Specification

Dimensions	10cm x 19.5cm x 1
Weight	0.014 kilo's
Sample size	450ml
Material	Polypropylene (outside) Aluminium (middle) Polyethylene (inside)



Direct breath sample mouthpiece

Specifically designed for use with the GastroCH₄ECK®

The GastroCH₄ECK® direct breath sample mouthpieces enable patients to exhale directly into the monitor with instant results. The mouthpiece itself is specifically designed with the latest bacterial filtration to remove >99% of airborne bacteria, >96% of viruses and any moisture from the patient's breath¹.

Mouthpieces are single-patient use only.

Specification

Dimensions	6.5cm x 4cm x 3.5cm
Weight	0.023 kilo's
Material	Bormed HD81OMO
Uses	10 times



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