Meditec ME-SORB™

Carbon Dioxide Absorbent

Special “D” profiles of the particles provides high ratio of surface area to volume.

Low dust. Less then 0.3%

High CO_2 absorption = Low cost

Low Interaction

Meditec England

USP v ME-SORB™ Comparison

USP Standards	Me-Sorb™ Properties
• Mesh Size 4-8 (2.5mm to 5.0mm), 98% between 0.4mm and 6.3mm	• 90% between 2.36mm and 4.8mm
• Hardness of 75% (minimum)	• 95% Typical
• Dust 2% maximum	• 0.3% Typical (0.5% maximum)
• CO_2 absorption greater than 100 litres/Kg or 19% weight	• CO_2 absorption: 140 litres/Kg or 25% weight
• Moisture Content 12-19% weight (necessary to initiate the reaction with CO_2)	• Moisture Content: 16% Typical

Benefits

- Effective shape for CO_2 absorption
- Larger surface area relative to volume than uniformly shaped soda lime
- Increased reaction time resulting in high absorption levels
- Maximum consumption of soda lime

Low Dust

The dust content of ME-SORB™ is minimal at 0.3% (USP specification:2%). Coupled with 95% (typical) hardness ensures zero additional dust is produced during transport and handling, thus, reducing the risk of dust contamination and gas flow resistance during use.

Chemical Composition and Anaesthetic Degradation

ME-SORB™ does not contain Potassium Hydroxide (KOH). Therefore the risk of Compound A and Carbon Monoxide (CO) is minimised.

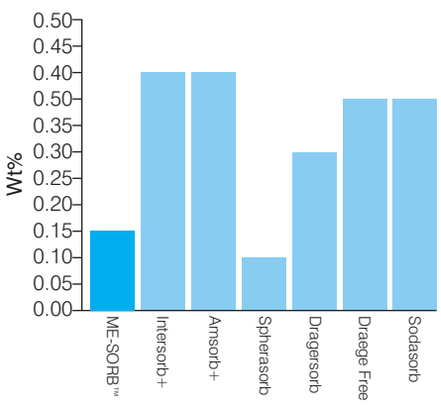
Moisture Content

ME-SORB™ is manufactured with a moisture content of 15.5%. This attribute prevents the granules from drying out during normal usage. The production of compound A and Carbon Monoxide (CO) only occurs when soda lime is very dry.

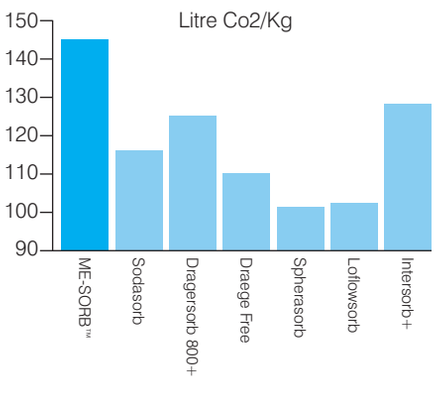
CO_2 Absorption Capacity

In low-flow anaesthesia ME-SORB™ demonstrates a highly efficient absorption capacity. Test data confirm ME-SORB™ consistently absorbs approximately 150 litres of CO_2 per kilogram of ME-SORB™ before experiencing a 0.5% CO_2 breakthrough. The ultimate benefit of this attribute is the cost saving associated to the higher absorption capacity.

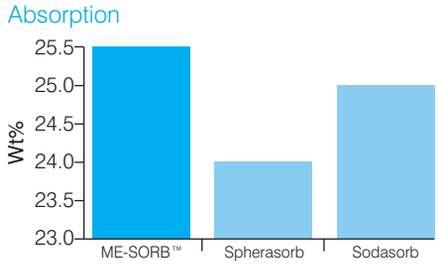
ME-SORB™ and Dust



Simulated Low Flow Results



Absorption



Order Information

Item Code		
# 11001059R0	White to Violet	2 Jars (4.5Kg/5Ltr) Per Carton
# 11001058R0	Pink to White	2 Jars (4.5Kg/5Ltr) Per Carton

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