



Medisorb™  
Medical soda lime CO<sub>2</sub> absorbent

## Medisorb™ medical soda lime CO<sub>2</sub> absorbent

Each day you make a difference in the lives of patients. Whether your role is purchasing product or administering patient care, you're committed to providing exceptional healthcare. When you purchase our Medisorb absorbent, you have the assurance of knowing that Medisorb has been specified for use with and validated for optimal performance with GE Healthcare™ anaesthesia systems. Medisorb's unique, D-profile granule shape decreases the absorbent's tendency to pack or clump, resulting in better distribution of gas flow throughout the entire absorbent bed.



427002100

Medisorb compact absorber works only with the GE Healthcare Anaesthesia Delivery Unit (ADU) Carestation.



8003138

Medisorb multi-absorbers work with GE Advanced Breathing System (ABS) machines as well as with ADU.

Note: Multi-absorbers are not fitted as standard on the ADU.



427000100

Medisorb pre-packed rounds work with the Aestiva™ anaesthesia systems.



2079796-001



2079797-001

Medisorb EX and low alkaline Medisorb EF EX disposable cartridges provide easy installation and positioning with the GE Carestation 600 series.

## Medisorb color change and reversion

As an aid in determining the progressive exhaustion of Medisorb medical soda lime, a sensitive acid-based ethyl violet indicator is added to the formulation. As the pH of the absorbent decreases below 10.3, medical grade Medisorb absorbent will change color from white to violet as the absorption reaction develops and moves in the direction of the gas flow.

During intermittent usage of equipment, Medisorb will change color from violet to white due to an increase in pH at the surface of the Medisorb particle. This color reversion is strictly a function of pH change and does not indicate regeneration of any absorptive capacity. Because of color reversion, it is important for the healthcare professional to determine the degree of absorbent capacity that has been exhausted. However, color indication is not a definitive guide and should always be used in conjunction with CO<sub>2</sub> monitors and time/volume calculations. If there is any uncertainty about the remaining absorptive capacity of Medisorb, replace the existing material with fresh Medisorb absorbent disposables.

Medisorb multi-absorber disposables have been tested and validated with GE Healthcare anesthesia machines and Carestations™ helping to provide optimal performance.

## Conforms with APSF recommendations

During anaesthesia administration, anesthetic agent degradation and dry soda lime can cause the production of Compound A and carbon monoxide.<sup>1</sup> In accordance with Anesthesia Patient Safety Foundation (APSF) recommendations, our Medisorb medical soda lime absorbent does not significantly degrade volatile anesthetic when used as described in the accompanying instructions for use.<sup>2</sup>

Absorption capacity tests have shown that Medisorb soda lime absorbent consistently absorbs ~150 L of CO<sub>2</sub> per kg before experiencing a 0.5% CO<sub>2</sub> breakthrough.

Part no.	Description	Qty. (cs.)
M1173310	Medisorb multi-absorber, disposable, 0.8 kg, white-violet change	6
M1173311	Medisorb multi-absorber EF, disposable, 0.8 kg, white-violet change	6
8003138	Medisorb multi-absorber, disposable, 0.8 kg, white-violet change	6
427000100	Medisorb pre-packed round, disposable, 1.1 kg, white-violet change	12
427002100	Medisorb compact absorber, disposable, 0.6 kg, white-violet change	10
8570043	Medisorb twin pack, 4.5 kg canister, white-violet change	2
2079796-001	Medisorb EX, 1.2 kg	6
2079797-001	Medisorb EF EX, 1 kg	6



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#### References

<sup>1</sup> Stabernack CR, Brown R, Laster MJ, Dudziak R, Eger EI. Absorbents differ enormously in their capacity to produce compound A and carbon monoxide. *Anesth Analg.* 2000;90(6):1428-35.

<sup>2</sup> Yamakage M, Yamada S, Chen X, Iwasaki S, Tsujiguchi N, Namiki A. Carbon dioxide absorbents containing potassium hydroxide produce much larger concentrations of compound A from sevoflurane in clinical practice. *Anesth Analg.* 2000;91(1):220-4.

For more information, please contact your local Vyairé representative.

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