



Medisorb™
Medical soda lime CO₂ absorbent

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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 CO₂ 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.¹ 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.²

Absorption capacity tests have shown that Medisorb soda lime absorbent consistently absorbs ~150 L of CO₂ per kg before experiencing a 0.5% CO₂ 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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	Consumable Multi Absorber	Consumable EF Multi Absorber	Consumable EX Absorber	Consumable EF EX Absorber
Total Weight	970g	890g	1500g	1300g
Soda lime Weight	800g	720g	1200g	1000g
Absorbent	Medisorb™ medical soda lime Granule size: 4–8 mesh/2.5–5 mm Mounted on ABS (insp./exp.): Moisture content: 12–19% pH: 12 – 14	Medisorb™ EF medical absorbent Granule size: 4–8 mesh/2.5–5 mm Moisture content: 12–19% pH: <12.5	Medisorb™ medical soda lime Granule size: 2–5 mm Moisture content: 12–19% pH: 12 – 14	Medisorb™ EF medical absorbent Granule size: 4–8 mesh/2.5–5 mm Moisture content: 12–19% pH: <12.5
Description	Intended for use with the GE Healthcare Advanced Breathing System, EZchange manifold, Compact Block. Designed for use with air, oxygen, nitrous oxide, halothane, enflurane, isoflurane, desflurane and sevoflurane. GMDN Code: 42414	Intended for use with the GE Healthcare Advanced Breathing System, EZchange manifold, Compact Block. Designed for use with air, oxygen, nitrous oxide, halothane, enflurane, isoflurane, desflurane and sevoflurane. GMDN Code: 42414	The Medisorb™ EX (later absorber) is a consumable product intended for use with the GE Healthcare Carestation 600 series. The absorber should only be used with air, oxygen, nitrous oxide, halothane, enflurane, isoflurane, desflurane and sevoflurane.	The Medisorb™ EF EX (later absorber) is a consumable product intended for use with the GE Healthcare Carestation 600 series. The absorber should only be used with air, oxygen, nitrous oxide, halothane, enflurane, isoflurane, desflurane and sevoflurane.
Canister Volume	1250 ml	1250 ml	1900 ml	1900 ml
Volume Absorbent	960 ml	960 ml	1400 ml	1400 ml
Casing Materials	PP (Polypropylene)	PP (Polypropylene)	SBC (Styrene-butadiene copolymer)	SBC (Styrene-butadiene copolymer)
Dust Filter Materials	PUR (Polyurethane)	PUR (Polyurethane)	Grids and Protective seal: PP (Polypropylene)	Grids and Protective seal: PP (Polypropylene)
Resistance (@ 60l/min) Mounted on ABS / C600	ABS (insp./exp.): 0.57 kPa/0.56 kPa	ABS (insp./exp.): 0.57 kPa/0.56 kPa	C600: insp: <0.53 kPa / exp: <0.55 kPa	C600: insp: <0.50 kPa / exp: <0.55 kPa
Resistance (@ 60l/min) Mounted on Compact Block	(insp./exp.): 0.17 kPa/ 0.50 kPa	(insp./exp.): 0.17 kPa/ 0.50 kPa	N/A	N/A
Resistance (@ 60l/min) Mounted on EZchange	(insp./exp.): 0.69 kPa/ 0.67 kPa	(insp./exp.): 0.69 kPa/ 0.67 kPa	N/A	N/A
Regulation				
Storage	The unopened Multi absorber original package must remain unopened and be stored in a dry and clean environment at a temperature from 0°C/+32°F to +35°C/+95°F. Avoid direct sunlight (UV light). Avoid freezing which may reduce CO2 absorption performance.	The unopened Multi absorber original package must remain unopened and be stored in a dry and clean environment at a temperature from 0°C/+32°F to +35°C/+95°F. Avoid direct sunlight (UV light). Avoid freezing which may reduce CO2 absorption performance.	The unopened EX Absorber original package must remain unopened and be stored in a dry and clean environment at a temperature from 0°C/+32°F to +35°C/+95°F. Avoid direct sunlight (UV light). Avoid freezing which may reduce CO2 absorption performance.	The unopened EX Absorber original package must remain unopened and be stored in a dry and clean environment at a temperature from 0°C/+32°F to +35°C/+95°F. Avoid direct sunlight (UV light). Avoid freezing which may reduce CO2 absorption performance.
Composition/information on ingredients	CAS/EC 1310-73-2 Sodium Hydroxide <3% (W/W) (C; R35 Causes severe burns) CAS/EC 1305-62-0 Calcium Hydroxide >75% (W/W) (Xi; R36 Irritating to eyes)	CAS/EC 1310-73-2 Sodium Hydroxide <1% (W/W) (C; R35 Causes severe burns) CAS/EC 1305-62-0 Calcium Hydroxide >75% (W/W) (Xi; R36 Irritating to eyes)	CAS/EC 1310-73-2 Sodium Hydroxide <3% (W/W) (C; R35 Causes severe burns) CAS/EC 1305-62-0 Calcium Hydroxide >75% (W/W) (Xi; R36 Irritating to eyes)	CAS/EC 1310-73-2 Sodium Hydroxide <1% (W/W) (C; R35 Causes severe burns) CAS/EC 1305-62-0 Calcium Hydroxide >75% (W/W) (Xi; R36 Irritating to eyes)
Waste treatment methods	Dispose of in accordance with national and local authority regulations, e.g. incineration. Product tested with test methods EN 12457-3, EN 13137A and CEN/TS 14405 to meet the leaching and TOC limit value criteria of waste acceptable at landfills for non-hazardous waste. (Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste).	Dispose of in accordance with national and local authority regulations, e.g. incineration. Product tested with test methods EN 12457-3, EN 13137A and CEN/TS 14405 to meet the leaching and TOC limit value criteria of waste acceptable at landfills for non-hazardous waste. (Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste).	Dispose of in accordance with national and local authority regulations, e.g. incineration. Product tested with test methods EN 12457-3, EN 13137A and CEN/TS 14405 to meet the leaching and TOC limit value criteria of waste acceptable at landfills for non-hazardous waste. (Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste).	Dispose of in accordance with national and local authority regulations, e.g. incineration. Product tested with test methods EN 12457-3, EN 13137A and CEN/TS 14405 to meet the leaching and TOC limit value criteria of waste acceptable at landfills for non-hazardous waste. (Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste).

