



midmark®

VETERINARY

# Midmark Anesthesia Machines



# Designed for durability, reliability + ease of use.

Midmark anesthesia machines combine high-quality manufacturing with the trusted legacy of Matr<sup>x</sup>® technology. Each machine is backed by a team of credentialed veterinary technicians and a comprehensive training network to empower your team to approach each procedure with greater confidence and consistency.



VMS Plus,  
Multiparameter  
Monitor, IV Fluid  
Warmer and IV pole  
and Sodasorb® LF



#### DURABLE DESIGN

VMS® Plus and VMS anesthesia machines are high-quality all-metal-made machines that provide lifetime durability.

#### ENHANCED SAFETY FEATURES

The Occlusion Valve enables manual ventilation without closing the Adjustable Pressure Limiting (APL) Valve. It has dual safety features, including automatic pressure relief, opening if the ventilation button is held too long or the breathing bag is squeezed too forcefully, protecting the patient. The exclusive Negative Pressure Relief Valve (NPRV) allows room air intake if oxygen runs low.

#### MULTIPLE CONFIGURATIONS TO FIT YOUR NEEDS

Mobile, wall-mounted and table-mounted options provide flexibility to meet varying space needs.

#### EXPERT CLINICAL SUPPORT

Midmark provides comprehensive clinical support, including training from credentialed veterinary technicians and extensive online resources to help care teams effectively use new equipment and deliver exceptional patient care.



# Better Anesthetic Outcomes.

Sodasorb® and Sodasorb® LF soda lime CO<sub>2</sub> absorbents are designed to remove exhaled carbon dioxide from anesthesia machines. With two high-performance options available, your team can choose the best formulation to help decrease the risk of patients rebreathing CO<sub>2</sub> during anesthetic procedures.

**39%** Compared to other leading brands, Sodasorb is 39% more efficient at CO<sub>2</sub> absorption.<sup>1</sup>

## CO<sub>2</sub> ABSORBENT SPECIFICATIONS

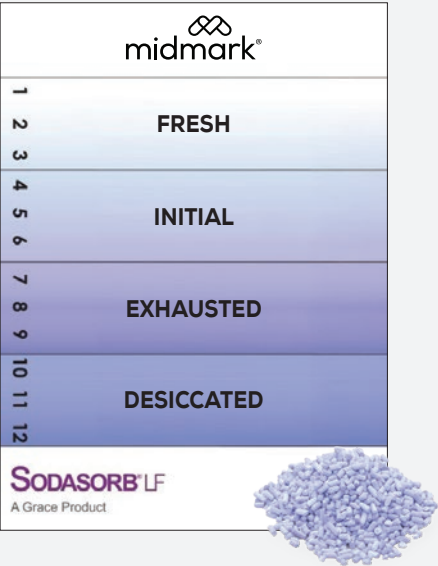
	Sodasorb® LF	Sodasorb®
High Activity CO <sub>2</sub> absorbent designed for patient safety	✓	✓
Permanent Color Change	✓	X
Active Ingredients	Calcium Hydroxide / Sodium Hydroxide	Calcium Hydroxide / Sodium Hydroxide
Disposal Best Practices	8 hours surgical use 2 weeks after opening	8 hours surgical use 2 weeks after opening

### PROTECT YOUR PATIENTS

Soda lime loses effectiveness over time, reducing its ability to absorb CO<sub>2</sub>. This can increase the risk of anesthetic complications, including patient injury or death. **Absorbent must be replaced after 8 hours of procedural use or within 2 weeks of opening.** Anesthetic caseload, procedure length, patient size or fresh gas flow rate may require more frequent replacement of absorbent.

### PERMANENT COLOR CHANGE FOR CONFIDENT REPLACEMENT

Sodasorb LF has a permanent white to violet color change that eliminates the guesswork of when the absorbent is expired. The permanent purple color indicates when it's time to be replaced, better supporting consistent CO<sub>2</sub> removal and patient safety.



### TRADITIONAL CO<sub>2</sub> ABSORBENT

Sodasorb provides high-performance soda lime CO<sub>2</sub> absorption. Unlike Sodasorb LF, the color change of Sodasorb is temporary and may revert to white within 1-2 hours of use.

## ANESTHESIA MACHINE SPECIFICATIONS

				
Model	VMS® Plus	VMS®	VME2®	VMR™
Machine Type	Rebreathing with Non-Rebreathing Options <sup>2</sup>	Rebreathing with Non-Rebreathing Options <sup>2</sup>	Rebreathing with Non-Rebreathing Options <sup>2</sup>	Non-rebreathing
Configurations	Mobile	Mobile Wall Mount	Mobile Tabletop Wall Mount	Mobile Tabletop
Construction	Chrome	Chrome	Chrome and Plastic	Chrome
Shelf	Two shelves	N/A	One shelf	N/A
Safety Features	Occlusion Valve Negative Pressure Relief Valve	Occlusion Valve Negative Pressure Relief Valve	Optional Add-Ons	Optional Add-Ons
CO <sub>2</sub> Absorber	1500 cc Pre-Pak Cartridge Size	1500 cc Pre-Pak Cartridge Size	1100 cc	N/A
Breathing Bags Included	1 and 2 liter	1 and 2 liter	1 and 2 liter	N/A
Breathing Circuits Included	15 and 22 mm	15 and 22 mm	15 and 22 mm	N/A
O <sub>2</sub> Flowmeter	0.2-4 LPM standard 0-1000 cc/min optional	0.2-4 LPM standard 0-1000 cc/min optional	0.2-4 LPM standard 0-1000 cc/min optional	0.2-4 LPM optional 0-1000 cc/min standard
Vaporizers Accepted	Tec 3	Tec 3	Tec 3	Tec 3
CO <sub>2</sub> Absorbent	Includes starter pack of Sodasorb LF	Includes starter pack of Sodasorb LF	Includes starter pack of Sodasorb LF	N/A
Optional	Dual vaporizer mounting Oxygen low-flow flowmeter	Oxygen low-flow flowmeter	Oxygen low-flow flowmeter	Oxygen low-flow flowmeter
Warranty	5 Years	5 Years	5 Years	5 Years

### Anesthesia Machines<sup>3</sup>


- 91800081 VMS Plus
  - 91800003 VMS
  - 91800042 VMS Wall Mount
  - 91805111 VME2
- 91800094 VME2 Tabletop
  - 91800218 VMR with Isoflurane Vaporizer
  - 91805060 VMR Tabletop with Isoflurane Vaporizer

**SOURCES:**  
1 <https://pubmed.ncbi.nlm.nih.gov/30610517/>  
2 Non-breathing capability with use of optional circuit accessory (not shown).  
3 See the Midmark Veterinary Equipment Catalog for comprehensive list of models. Vaporizers are not included in all models.


STEP 1: BUILD YOUR ANESTHESIA MACHINE

CHOOSE YOUR ANESTHESIA MACHINES


Rebreathing with Non-Rebreathing Options



Non-rebreathing Only




**CO<sub>2</sub> ABSORBENTS**  
Sodasorb® or Sodasorb® LF

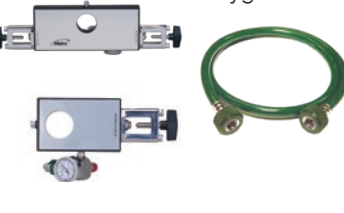


**VAPORIZERS**  
Sevoflurane    Isoflurane


Well-fill    Key-fill




**OXYGEN SUPPLIES**  
Yoke Blocks    Oxygen Hoses



**VENTILATOR**




**WASTE GAS SYSTEMS\***  
Post/Wall Mount Scavengers    Midmark Central Scavenger



**ANESTHESIA ACCESSORIES**

Anesthesia Masks    Maintenance Kit    IV Fluid Warmer    IV Pole    Endotracheal Tubes    Laryngoscope Blades    Accessory Baskets



STEP 2: BUILD YOUR ANESTHESIA MONITORING SOLUTION

CHOOSE YOUR MIDMARK MULTIPARAMETER MONITORS

Midmark Multiparameter Monitor 12"



Midmark Multiparameter Monitor 8"



**MONITOR MOUNTS**  
VMS Plus Monitor Mount    VMS Stud Monitor Mount



**IN-CLINIC RACE® APPROVED CE ANESTHESIA + MONITORING TRAINING**

Anesthesia 101 (VI-AMT)  
Anesthesia 201 (VI-AMT2)  
Anesthesia 101+201 (VI-AMT3)  
Anesthesia Sim (VI-AMT-SIM)  
Anesthesia Sim+CPR (VI-AMT-SIM2)  
Advanced Anesthesia Sim+CPR (VI-AMT-SIM3)  
CPR only (VI-CPR)



**CO<sub>2</sub> + MULTIGAS ACCESSORIES**

Capnostat™ Mainstream CO<sub>2</sub> Probe    LoFlo™ Sidestream CO<sub>2</sub> Module

Masimo® Multigas Mainstream CO<sub>2</sub> Sensor and Adapters    Masimo® Multigas Sidestream CO<sub>2</sub> Sensor and Adapters

SpO<sub>2</sub> Sensors and Clips



**ADDITIONAL ACCESSORIES**

ECG Cables, Wires, Leads and Clips    IBP trunk cable and Disposable IBP Transducer Administrative Set

Blood Pressure Cuffs    NIBP Inflation Tube

Printer Paper Rolls

**Additional Accessories Not Shown:**

- Esophageal Probes
- ESOPH/Rectal Temperature Probes





Designing better care.®

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For more information, contact your Midmark dealer or call: 1.800.MIDMARK. Outside the USA call: 1.937.526.3662 or visit our website: [midmark.com](http://midmark.com)

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