

ExtendAir[®] Lithium

*When it comes to patient safety,
there can be no compromise.*

Eliminate all the issues with Sodalime.

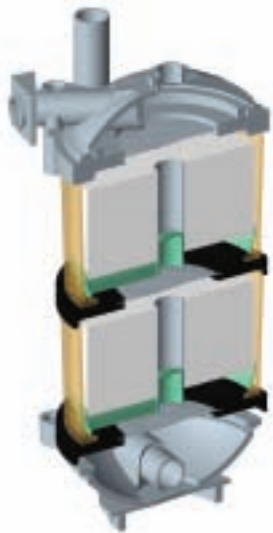


- Proven Chemistry
- Proven Products
- Proven Company

**Micropore**
INCORPORATED

ExtendAir[®]Lithium

ExtendAir[®]Lithium CO₂ absorbent is a solid cartridge that replaces sodalime canisters and resolves all their associated issues.



Issues with sodalime absorbent:

Toxic by-product generation
(Compound A & Carbon Monoxide)

ExtendAir[®]Lithium patented technology¹ resolves these issues:

ExtendAir[®]Lithium reduces toxic by-product generation confirming previous studies^{2,3}.

Desiccation

ExtendAir[®]Lithium desiccates⁴ 3 times less than sodalime, even when fully desiccated produces 8 times less Compound A than fresh Medisorb[®].

Duration consistency

ExtendAir[®]Lithium is 10 times more consistent in duration than Amsorb[®] Plus.

Dusting

ExtendAir[®]Lithium eliminates dusting and airway irritation associated with granular lithium hydroxide.

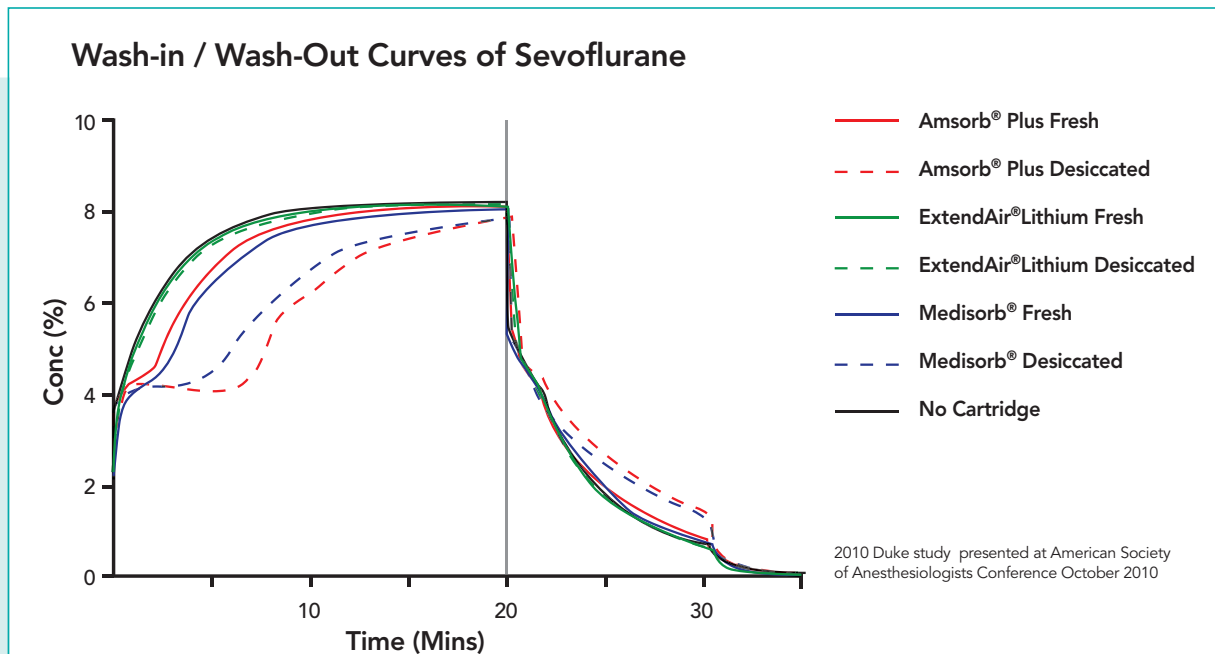
Calcium absorbs anesthetic

ExtendAir[®]Lithium does not absorb anesthetic, allowing for the first time predictable delivery to the patient.



Do you know how much anesthetic agent your soda lime absorbs?

ExtendAir®Lithium provides repeatable anesthetic concentration and faster circuit equilibrium, while reducing the amount of anesthetic required, resulting in both clinical and economic benefits.



ExtendAir®Lithium absorbs the least volatile anesthetic agent resulting in target anesthetic concentration being achieved quicker and more consistently.

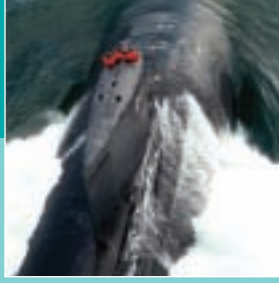
- Faster wash-in of volatile agent
- Faster wash-out of volatile agent
- Optimum delivery of anesthetic irrespective of hydration state
- Desired anesthetic concentration reaching patient
- Direct anesthetic savings of 15%

- Reduced toxic by-product generation allows hospitals to safely consider low flow.
- Reacts at the same temperature as soda lime⁵.
- ExtendAir®Lithium is recycled eliminating concerns regarding the disposal of the spent absorbent.

PROVEN INDUSTRIES



Military & Recreational Diving



Submarine



Mining



Firefighting



First Responders

Proven Chemistry

ExtendAir®Lithium eliminates the chemical dusting and reaction temperatures typical of granular Lithium, while reducing Carbon Monoxide and Compound A generation.

Proven Products

ExtendAir®Lithium and Calcium based absorbents are specified in the world's most demanding life support applications and outperform sodalime absorbents by every metric.

Proven Company

Micropore, Inc. is an ISO 9001 manufacturing company that produces advanced gas absorbent systems for rebreathing, life support and industrial applications worldwide. Located in Elkton MD, Micropore, Inc is trusted to provide products of the highest quality and performance for these critical applications.

ExtendAir® CO₂ absorbent is approved for use in both class I⁶ and class II⁷ medical devices.

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1. US Patent No. US7326280 & US7329307 2. Only Carbon Dioxide Absorbents Free of Both NaOH and KOH Do Not Generate Compound A during In Vitro Closed-system Sevoflurane Anesthesiology 2001; 95:750-5 © 2001 American Society of Anesthesiologists, Inc. Lippincott Williams & Wilkins, Inc. 3. Ref: Absorbents differ enormously in their capacity to produce Compound A and Carbon Monoxide. Anesth Analg 2000;90:1428-35. Ref: Only Carbon Dioxide absorbents free of both NaOH and KOH do not generate Compound A during in vitro closed-system Sevoflurane. Anesthesiology 2001;95:750-5. 4. Exposure to 10L/min flow of oxygen over 72hrs period resulted in a 2% loss in weight of Extendair®Lithium compared to 7% or more with sodalime absorbents. 5. Duke study results show the ExtendAir®Lithium canister surface temperature equivalent to sodalime absorbents Source- abstracts presented at American Society of Anesthesiologists Conference October 2010. 6. Divers Alert Network - Remote Emergency Medical Oxygen (REMO2™) System. 7. Thornhill Research Inc. - MOVES™ - World's first integrated ventilator and oxygen concentrator life support system for medevac transportation.

