

LoFloSorb®

Zero caustic medical Carbon Dioxide absorbent



What is LoFloSorb® ?

LoFloSorb is a unique zero caustic medical carbon dioxide absorbent designed by Intersurgical specifically for clinical use during anaesthesia it is especially suitable at low and minimal fresh gas flows.

LoFloSorb is made of 3 to 4 mm spheres. Its uniform shape allows consistent bed packing, resulting in an even gas flow through the absorber.

Performance	
Test	Typical results
Hardness USP XXII	92 % or over.
Dust content (<0.42 mm)	0.2 % or less
Mesh size 2.0 - 4.0 mm	98 % or over.
CO ₂ absorption (L/kg)	120 minimum

Eliminates the potential for reaction with volatile anaesthetics

LoFloSorb being zero caustic, totally eliminates the risk of generating Carbon Monoxide or other reactions with volatile anaesthetics.

No reaction with Sevoflurane

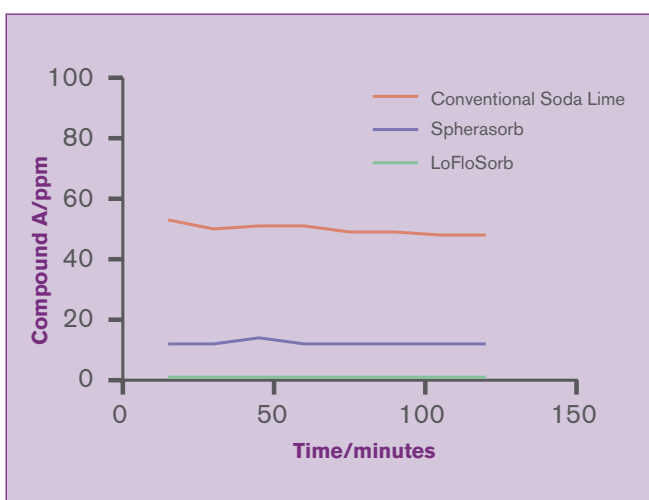
With conventional soda lime there is a low risk that it can dry out sufficiently to react with Sevoflurane and other volatile anaesthetics. LoFloSorb eliminates the potential for these reactions. For example, LoFloSorb eliminates the potential for Compound A generation.

Carbon Monoxide

Very dry soda lime may generate Carbon Monoxide when it comes into contact with anaesthetic agents. At low and minimal fresh gas flows this can result in a dangerous build up of Carbon Monoxide within the anaesthetic circuit. One of the ways in which soda lime can become dry is if dry gas is accidentally allowed to flow through an absorber for long periods.

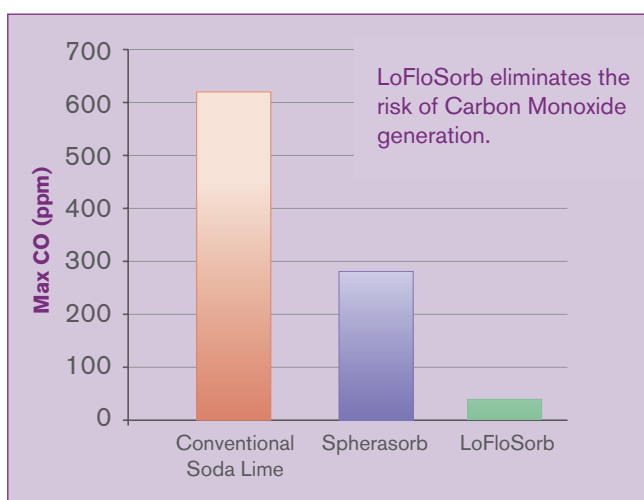
Very dry LoFloSorb generates negligible Carbon Monoxide.

Compound A generation: fresh soda lime + oxygen 2L/min, 5% Sevoflurane.



*Institut for experimentalle Anasthesiologic
Johann Wolfgang Goethe Universitat, Frankfurt.*

Carbon Monoxide generation of dry absorbents. 600g dry absorbent, 5L/min dry oxygen containing 0.5% Isoflurane.

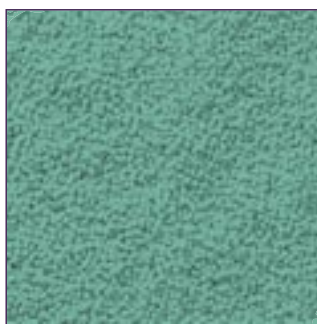


*Prof. H Gilley, Dr. E Knolle,
University of Vienna, Austria.*

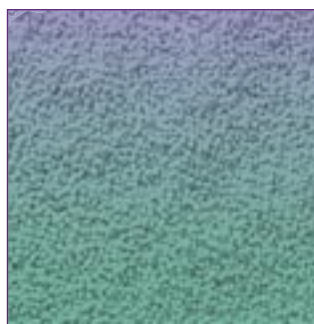
Colour change

The colour change of exhausted soda lime is not permanent. If exhausted soda lime is left in the absorber and not thrown away, the colour can regenerate over night or over the weekend. If exhausted soda lime is mistaken for unexhausted product and is then used, inspired Carbon Dioxide will be detected very quickly.

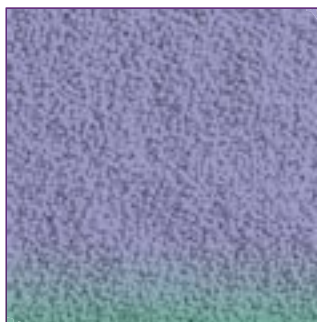
LoFloSorb exhaustion is clearly indicated by a violet colour change that remains obvious for a very long time. This provides a safeguard against exhausted product being mistaken for fresh.



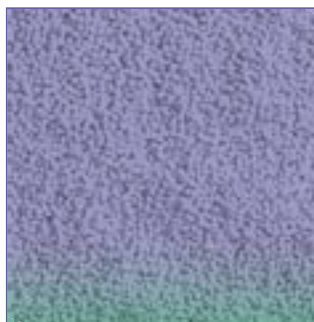
Fresh LoFloSorb



Part exhausted LoFloSorb



Exhausted LoFloSorb



LoFloSorb
2 weeks after exhaustion

Changing LoFloSorb at exhaustion

With LoFloSorb, there is no longer a need to change the absorbent prematurely before exhaustion if you are concerned about colour regeneration or anaesthetic degradation. LoFloSorb can be safely used until it is completely exhausted without these concerns.

Presentation

LoFloSorb is available in 5 litre jericans. In its fresh state, LoFloSorb has a green colour which turns violet when exhausted. It is recommended that the colour change is used in conjunction with monitoring of Carbon Dioxide.

Application

LoFloSorb is designed specifically for medical use, as an absorbent for Carbon Dioxide, especially at low and minimal fresh gas flows. The absorption of Carbon Dioxide is an exothermic reaction. All absorbents will generate heat, especially if exposed to higher than normal levels of Carbon Dioxide.

Storage

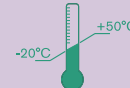
LoFloSorb should be stored, sealed, in a clean dry environment at an even temperature. Exposure to direct sunlight should be avoided. When stored correctly, unopened jericans of LoFloSorb will maintain their absorption capability for at least two years. Once the jericans is opened, the LoFloSorb should be used within one month.

Transportation

LoFloSorb contains no Potassium, Sodium or Barium Hydroxide and is not a caustic product; it can be shipped by road, air or sea as a non-hazardous material.

Safety information

- Risk of serious damage to eyes.
- Irritating to eye, respiratory system and skin.
- Keep out of reach of children.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable gloves and eye/face protection.
- In case of accident or if you feel unwell seek medical advice immediately and show label if possible.



LoFloSorb 5 litre jericans



LoFloSorb zero caustic absorbent, 5 litre
(green to violet change)

Code: 2178

Box Quantity: 2



INTERSURGICAL
COMPLETE RESPIRATORY SYSTEMS

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