

## Drägersorb® Free

High safety<sup>1,2</sup> and CO<sub>2</sub> absorption capacity. Soda lime is essential for CO<sub>2</sub> absorption in inhalation anesthesia machines with rebreathing systems. Yet conventional soda lime can produce Compound A and carbon monoxide.



As the only manufacturer of anesthesia machines who also develops and produces its own soda lime, Dräger has created a product which optimizes both performance and safety.

- No formation of Compound A or carbon monoxide
- High CO<sub>2</sub> absorption capacity
- Eliminates decomposition products (eg formaldehyde)
- Same high level of all product performance characteristics as Drägersorb® 800+

### NO GENERATION OF COMPOUND A

There is a very basic drawback to using any conventional soda lime with sevoflurane: the combination produces Compound A, which has been found to have nephrotoxic effects in animals. In Drägersorb® Free, Dräger has developed a product which generates no Compound A at all, regardless of the degree of humidity in the soda lime.

### NO GENERATION OF CARBON MONOXIDE (UNDER ANY CLINICAL CONDITIONS)

If volatile anesthetics are used with any conventional dry soda lime, the combination leads to the formation of carbon monoxide. Since carbon monoxide is not measured by anesthesia machines and can not be detected by users, this toxic by-product poses a serious hazard to patients. Drägersorb® Free eliminates this concern because it does not generate carbon monoxide<sup>1,2</sup>, when used with volatile anesthetics under clinical conditions, regardless of the degree of humidity in the soda lime.

### HIGH CO<sub>2</sub> ABSORPTION CAPACITY

Thanks to its unique pellet form Drägersorb® Free does not undergo channel formation. It absorbs CO<sub>2</sub> evenly and is effectively utilized. In fact, due to the combination of its pellet form and porosity, Drägersorb® Free has the highest CO<sub>2</sub> absorption<sup>1,2,3</sup> of all safe absorbents.



Disposable absorber

MT-919-2002



5L Container

MT-2000-2008



Disposable absorber

D-566-2009



Drägersorb® CLIC adapter

### USER-FRIENDLY PACKAGING

The Drägersorb® CLIC disposable absorber is available for use with the Zeus, Primus and Fabius family of anesthesia workstations. This quick, clean, easy-to-use disposable solution offers distinct advantages:

- Quick-change-out means: even greater time-convenience for anesthesia staff
- Enhances safety by preventing direct contact with soda lime or dust
- The CLIC absorber can be changed at any time, even during surgical procedures which means that the soda lime can be used completely before exchanging, and that reduces costs
- A CO<sub>2</sub> bypass is also available as an additional feature

The disposable Drägersorb® CLIC absorber for Dräger anesthesia systems is attached to the usual absorber holder by means of an adapter.

Drägersorb® Free is also available in 5L containers.

- 1 Dr. Bito, Hamamatsu Med.University, Japan  
Journal of Clinical Anesthesia 15:33-37, 2003
- 2 Production of compound A and carbon monoxide in circle systems: an in vitro comparison of two carbon dioxide absorbents M.M.R.F. Struys, et al.; Anaesthesia, 2004, 59, pages 584-589
- 3 J. Baum, H. J. Woehlck Best Practice & Research Clinical Anaesthesiology , Vol. 17 (2003) p 63 -76

### ORDER NUMBERS

| Description                                | Order no. |
|--|-----------|
| 5L Container                               | MX50050   |
| 1.2L CLIC absorber Free<br>(6 pcs./carton) | MX50100   |
| Drägersorb® CLIC adapter                   | MX50090   |

Additional CLIC accessories on request.

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The quality management system at  
Dräger Medical AG & Co. KG is  
certified according to ISO 13485,  
ISO 9001 and Annex II.3 of Directive  
93/42/EEC (Medical devices).