

Drägersorb® Free

High safety^{1,2} and CO₂ absorption capacity. Soda lime is essential for CO₂ absorption in inhalation anesthesia machines with rebreathing systems. Yet conventional soda lime can produce Compound A and carbon monoxide.



D-1414-2009

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 CO₂ 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^{1,2}, when used with volatile anesthetics under clinical conditions, regardless of the degree of humidity in the soda lime.

HIGH CO₂ ABSORPTION CAPACITY

Thanks to its unique pellet form Drägersorb Free does not undergo channel formation. It absorbs CO₂ evenly and is effectively utilized. In fact, due to the combination of its pellet form and porosity, Drägersorb Free has the highest CO₂ absorption^{1,2,3} of all safe absorbents.



MT-2002-2008

Disposable absorber

MT-919-2002



5L Container

MT-2000-2008



Disposable absorber

D-566-2009



Dräger® CLIC adapter

USER-FRIENDLY PACKAGING

The Dräger® 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 CO₂ bypass is also available as an additional feature

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

Dräger® 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 (6 pcs./carton)	MX50100
Dräger® CLIC adapter	MX50090

Additional CLIC accessories on request.

HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53-55
23558 Lübeck, Germany

www.draeger.com

REGION EUROPE CENTRAL AND EUROPE NORTH

Dräger Medical GmbH
Moislinger Allee 53-55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH

Dräger Médical S.A.S.
Parc de Haute
Technologie d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

REGION MIDDLE EAST, AFRICA, CENTRAL AND SOUTH AMERICA

Dräger Medical GmbH
Branch Office Dubai
Dubai Healthcare City, P.O. Box 505108
Dubai, United Arab Emirates
Tel + 971 436 24 762
Fax + 971 436 24 761
contactuae@draeger.com

REGION ASIA / PACIFIC

Dräger Medical
South East Asia Pte Ltd
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION NORTH AMERICA

Draeger Medical, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA
Tel +1 215 721 5400
Toll-free +1 800 437 2437
Fax +1 215 723 5935
info.usa@draeger.com

Manufacturer:

Dräger Medical GmbH
23542 Lübeck, Germany
The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).