



CODAN

Reservoir XL

Safety and flexibility during
invasive blood pressure monitoring

The decisive connection



Closed blood sampling systems from CODAN

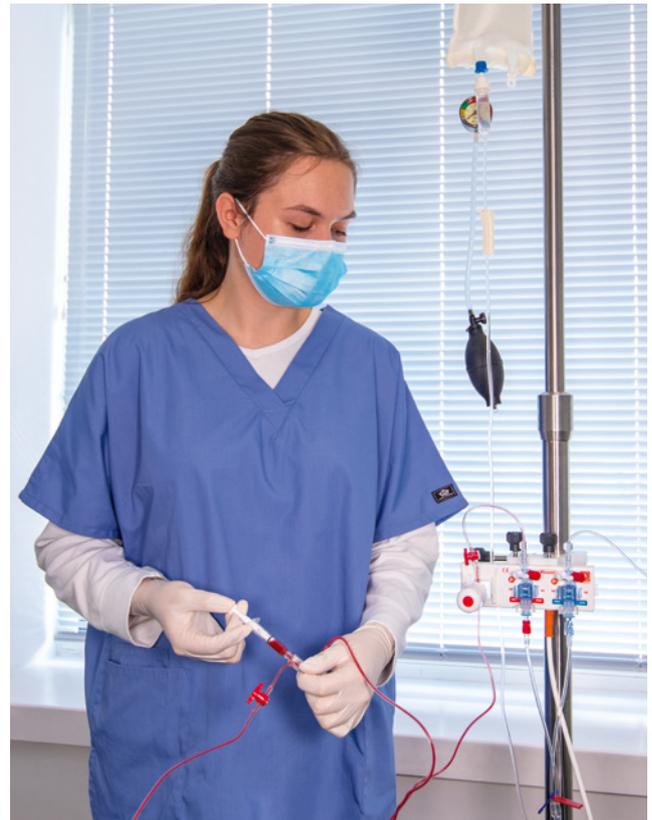
Closed blood sampling systems from CODAN pvb Critical Care were developed specially for taking arterial blood samples during invasive blood pressure monitoring.

Comprising a reservoir system and sampling ports with disinfectable membranes, the sampling system offers clear advantages compared to traditional sampling components¹.

Optimised workflow

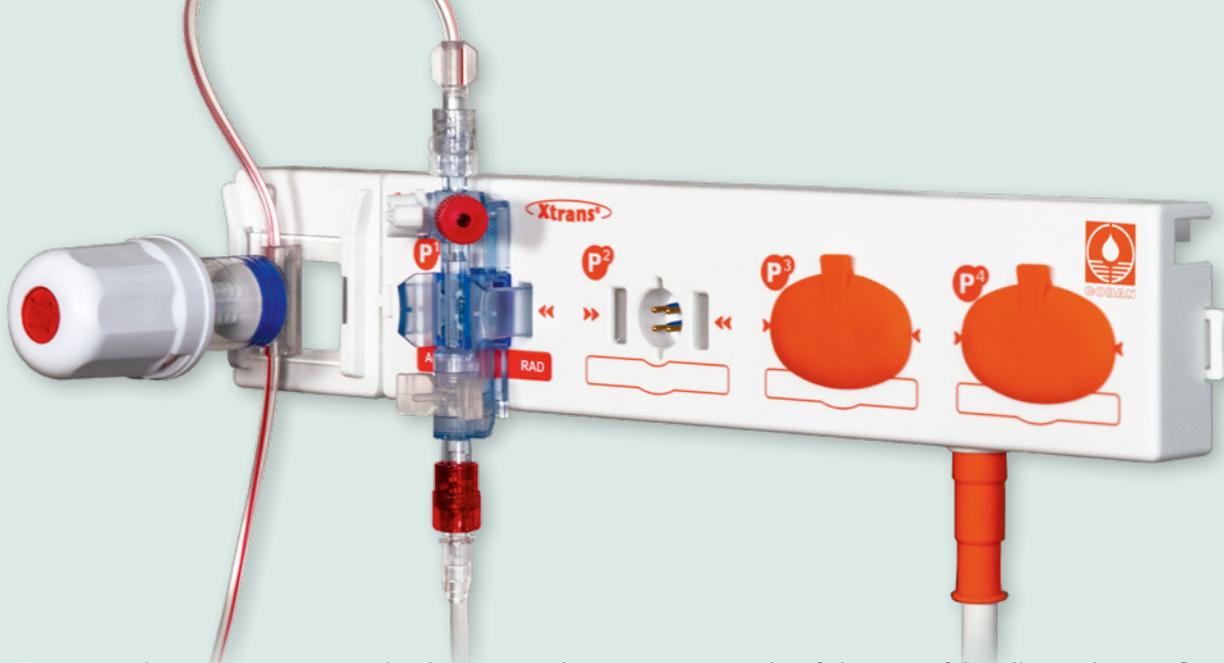
These blood sampling systems enable the user to work safely, reliably and efficiently. Due to the integrated reservoir systems, the mixing volume can be easily withdrawn within the tubing system of a pressure monitoring set in order to subsequently take blood samples for laboratory diagnostics.

Unnecessary application steps and the use of additional withdrawal containers for the removal of the mixing volume are saved here.



At a glance

- Reservoir with 6 ml volume and bacteria filter as well as scaling in ml increments
- Blood sampling system optionally with one or two integrated sampling ports
- For point-of-care and/or remote blood sampling
- Colour-coded red for reliable identification of arterial application
- Available in a variety of practical and user-friendly pressure monitoring sets



Connected to a pressure monitoring set and mounted on a mounting plate next to the pressure transducer, the Reservoir XL is an excellent

example of the user-friendly, patient-safe and economical way of blood sampling. Cover caps are available for unused ports.

Patient Blood Management

For critically ill patients in particular, blood is an extremely valuable resource that needs to be handled responsibly at all times. Closed blood sampling systems are a recognised way of reducing patient blood loss in intensive care and anaesthesia¹⁻⁴.

Due to CODAN's integrated reservoir systems, blood samples can be taken without discarding mixed volumes. This blood-saving concept has been shown to significantly reduce blood loss in intensive care patients⁴, thus protecting not only

the patient's health but also the hospital from unnecessary costs^{1,5}.

Protection from pathogens

The sampling ports of CODAN's closed blood sampling systems are equipped with disinfectable membranes. Such sampling ports offer improved protection against pathogens compared to conventional three-way stopcocks, thereby reducing the incidence of both internal and external system contamination^{1,6,7}.

Sources

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7. Oto J, Nakataki E, Hata M, Tsunano Y, Okuda N, Imanaka H, Nishimura M. Comparison of bacterial contamination of blood conservation system and stopcock system arterial sampling lines used in critically ill patients. *Am J Infect Control*. 2012;40(6):530–534. doi:10.1016/j.ajic.2011.08.006.

Blood sampling systems XL

Extra flexibility

CODAN's blood sampling systems XL enable the use of closed blood sampling systems within different departments of clinical facilities without the need for compromises. Due to the fill volume of 6 ml, blood samples can be taken easily and reliably even in clinical applications where a larger volume shift is required.

CODAN's blood sampling systems XL thus guarantee the fundamental benefits of closed sampling systems, on the one hand, and enable remote sampling, on the other.

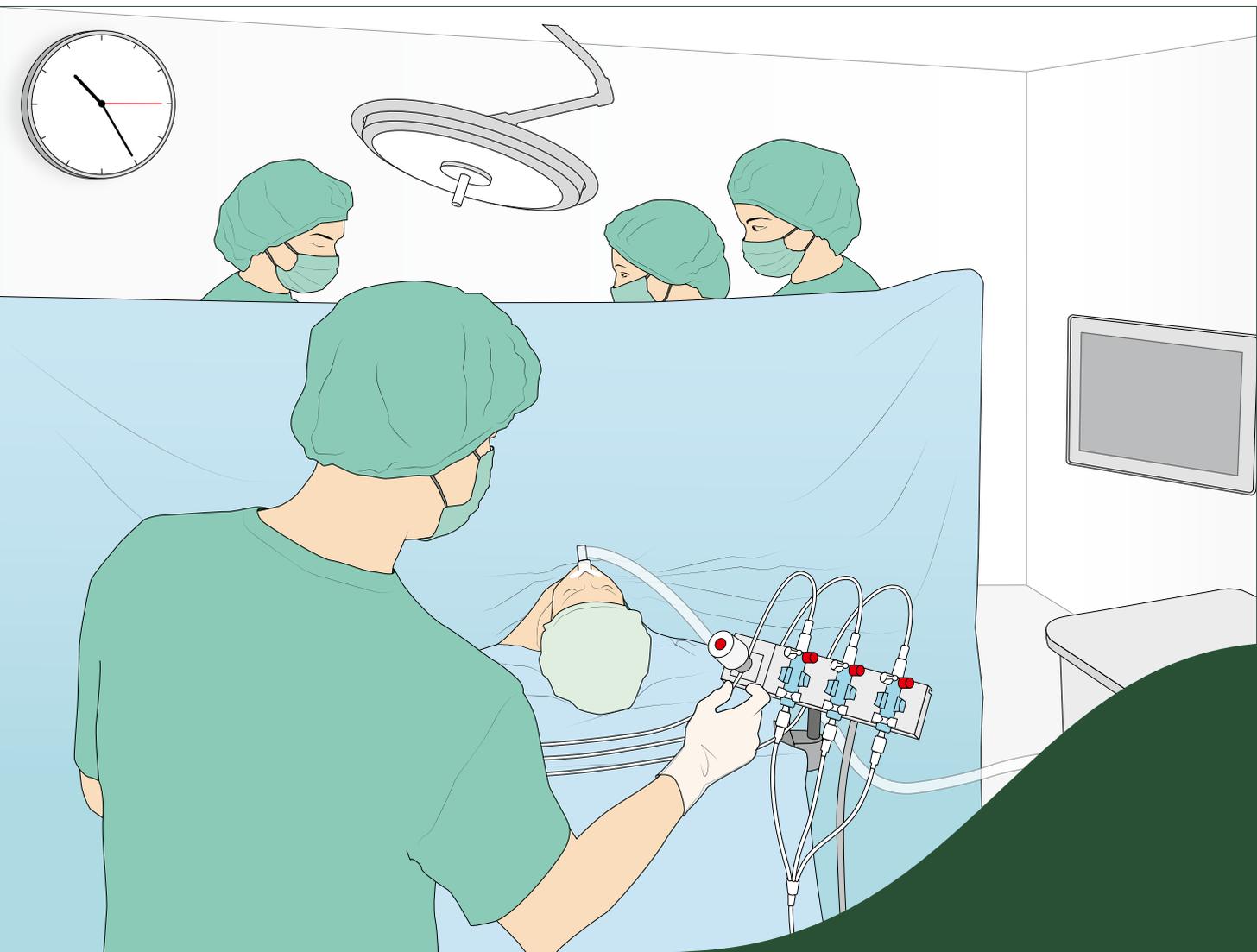
The decisive combination

Combined with the proven Xtrans® series pressure transducers, the blood sampling

systems XL offer outstanding benefits for clinical health institutions where invasive blood pressure monitoring sets are used.

CODAN's pressure monitoring sets with blood sampling systems XL are available in a variety of versions that are user friendly and ready for application:

- Basic and supplementary configurations for single and multiple pressure monitoring
- Configurations based on different patient populations
- Point-of-care, remote or flexi sampling configurations
- green line® with the use of PVC-free components



Reservoir XL – proven expertise in ergonomic design



1 Integrated bacteria filter for protection against the ingress of pathogens

2 Smooth surfaces ensure easy cleaning and ergonomic use

3 Blue piston seal and transparent housing for visual monitoring after sampling

4 Inline design for easy priming and flushing as well as simple drawing of mixing volumes

5 Secure attachment to CODAN contact boards for convenient one-handed operation

6 Minimum contact area between piston seal and flow channel

7 Optimal coordination between piston seal and reservoir housing for easy and safe operation

Can be individually configured

Customised and ready-to-use invasive blood pressure monitoring systems from CODAN are available with different versions of the sampling port. All blood collection systems manufactured by CODAN are equipped with a disinfectable sampling port where blood samples can be taken.

CODAN Worldwide

CODAN is known internationally as a manufacturer and supplier of medical transfer systems. The CODAN Companies have more than 1500 employees around the world.

The name CODAN is synonymous with reliability, quality and precision based on the know-how and experience gained from more than 60 years of research and development. Company-owned production facilities and sales companies around the world are a guarantee for efficient production, a tight-knit sales network and a first-class service for customers in the healthcare sector.

CODAN Product range

- Infusion sets
- Transfusion sets
- Extension lines and manifold connectors
- Infusion and transfusion accessories
- Infusion filters and filter systems
- Neonatology/Paediatric products
- Withdrawal, preparation and administration systems
- CODAN CYTO®
- Chemoprotect® products
- Single use syringes
- Invasive blood pressure monitoring systems
- Infusion pumps
- CODAN Software
- Other CODAN Products

CODAN Companies

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Compliance of the established quality management systems with the provisions of EN ISO 13485, the Council Directive 93/42/EEC and/or Regulation (EU) 2017/745 has been certified by the relevant, competent notified bodies:

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