



# CODAN

## Spikes

Versatile programme for the safe handling  
of drugs and cytostatics

**The decisive connection**



The preparation and withdrawal of drugs and cytostatics present a high risk of bacterial and particulate contamination as well as leakage and aerosol contamination. The more varied the

preparations used, the safer and simpler their handling should be. CODAN has therefore developed a compact and handy needle-free system for the preparation and withdrawal of drugs.

### Versatile safety

#### CODAN Spike

The CODAN Spike is the central element in the system. Effortless piercing ensures safe handling. The integral filter guarantees sterile aeration during withdrawal.

#### CODAN Spike<sup>SWAN</sup>

The patented SWAN-LOCK® mechanism renders the use of a separate cap superfluous. Ideal for frequent applications.

#### Chemoprotect® Spike

The additional integral 5 µm fluid filter in this spike reliably prevents particulate contamination of solutions.

#### Chemoprotect® Spike<sup>SWAN</sup>

The patented SWAN-LOCK® mechanism offers additional safety and even easier handling here too.

#### Chemoprotect® MicroSpike

The Chemoprotect® MicroSpike has been specially developed for use on very small medication ampoules. The blue spike protection cap allows simple identification of the Chemoprotect® MicroSpike.

#### Chemoprotect® MicroSpike<sup>SWAN</sup>

The Chemoprotect® MicroSpike is, of course, also provided with the option of the patented SWAN-LOCK® mechanism.

#### Spike protection cap

The protection cap on all spike products protects against damage and contamination. In addition, it is designed to fit on the Male Luer-Lock of syringes as added contact-contamination protection.





#### Pricking

The special shaping of the spike tips allows effortless puncture of the caps of drug vials.



#### Dissolving

Safe handling: Male Luer-Lock syringes should always be used allowing problem-free connection to the standard Luer-Lock connection or the SWAN-LOCK® mechanism of the spikes.



#### Withdrawal

Sterile aeration by integral filter; the Chemoprotect® Spike (illustrated) also has an additional microfilter against particulate contamination.

### Chemoprotect® Spikes

Patient safety and therapeutic success have top priority. Chemoprotect® Spikes create the precondition of reliably preventing contamination of prepared drugs by microorganisms or particles (e.g. from rubber abrasion).

#### Integrated safety

An integrated, hydrophobic 0.20 µm filter in all spikes guarantees sterile aeration and venting, and reliably retains toxic aerosols during drug preparation. The Chemoprotect® Spike additionally features an integrated 5 µm fluid filter.

#### Small things ...

... can sometimes present the greatest challenge. The Chemoprotect® MicroSpike has been specially developed for complete withdrawal from small drug vials and considerably improves handling.



Product	Sterile aeration and venting with aerosol filter	5 µm fluid filter	Suitable for mini-ampoules	Needle-free adapter SWAN-LOCK®	Filling volume (ml)
CODAN Spike	■				0.3
CODAN Spike <sup>SWAN</sup>	■			■	0.4
CODAN MicroSpike	■		■		0.2
CODAN MicroSpike <sup>SWAN</sup>	■		■	■	0.3
Chemoprotect® Spike	■	■			0.2
Chemoprotect® Spike <sup>SWAN</sup>	■	■		■	0.3
Chemoprotect® MicroSpike	■	■	■		0.2
Chemoprotect® MicroSpike <sup>SWAN</sup>	■	■	■	■	0.3



# 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

CODAN Medizinische Geräte GmbH · Deutschland  
CODAN pvb Critical Care GmbH · Deutschland  
CODAN pvb Medical GmbH · Deutschland  
CODAN II, S.A. · Portugal  
CODAN US Corporation · California · USA  
CODAN Inc. · California · USA  
CODAN NORGE AS · Norge  
CODAN TRIPLUS AB · Sverige  
CODAN Limited · United Kingdom  
CODAN FRANCE Sarl · France  
CODAN Medical AG · Schweiz  
CODAN ARGUS AG · Schweiz  
CODAN BV · Nederland  
CODAN s.r.l. · Italia  
CODAN Medical GmbH · Österreich  
CODAN Medical ApS · Danmark  
CODAN DEHA ApS · Danmark  
CODAN MEDITECH s.r.o. · Česká republika

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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