

# CARDIO THORACIC RANGE



MEDICAL DEVICES

**REDAX™**

# DRENTECH™ LINE

WET-WET

Aa1



## DRENTECH™ COMPACT

Code : 10105 with lock-in & clamp

Capacity : 2.100 ml

Pressure range: -5 to -25cmH<sub>2</sub>O

4 units per box

## DRENTECH™ COMPACT S

Code : 10130 (Compact + neonatal patient tube)

Capacity : 2.100 ml

Pressure range : -5 ÷ -25 cm H<sub>2</sub>O

4 units per box



## NEONATAL PATIENT TUBE

Code : 10564

DRENTECH PATIENT TUBE WITH  
INTEGRATED HEIMLICH VALVE

10 units per box



## DRENTECH™ COMPACT DOUBLE

Code : 10102 with lock-in & clamp

Capacity : 2.100 ml

DOUBLE PATIENT TUBE

Pressure range: -5 to -25 cmH<sub>2</sub>O

4 units per box



## DRENTECH™ ANEMOS

Code : 10101

Capacity : 2.000 ml

PNEUMONECTOMY SYSTEM

Double control chamber: -13 and +1cm H<sub>2</sub>O

4 units per box

WET - WET

DRENTECH™ LINE

# FEATURES

## **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

## **Collection chamber**

Collection chamber with millilitre graduated scale and provided with self sealing sampling port.

## **Underwater seal chamber**

Monitoring the air leakages of the patient and showing the fluctuations of the water column level.

## **Integrated Auto-regulation system**

Drentech can be used in connection with all vacuum sources, at different level of negative pressure without any water migration from the chamber.

No more fine tuning adjustment of vacuum.

## **Automatic positive pressure**

and filtered negative pressure relief valve.

## **Adult Paediatric scale**

Neonatal application in combination with connection tube [10564]

## **Anemos for pneumonectomy**

Double control chamber for negative - 13 cmH<sub>2</sub>O and positive pressure + 1 cmH<sub>2</sub>O.

**Single-use, sterile.**

# DRENTECH™ LINE

## WET-DRY



### DRENTECH™ VARIANT

Code : 10112 with lock-in and clamp

Capacity : 2.100 ml

Pressure range: -5 to -40cmH<sub>2</sub>O

4 units per box

### DRENTECH™ VARIANT S

Code : 10117 (Variant + neonatal patient tube)

Capacity : 2.100 ml

Pressure range: -5 to -40cmH<sub>2</sub>O

4 units per box



### DRENTECH™ VARIANT DOUBLE

Code : 10119 with clamp and lock-in

Capacity : 2.100 ml

DOUBLE PATIENT TUBE

Pressure range: -5 to -40cmH<sub>2</sub>O

4 units per box

# FEATURES

## **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

## **Collection chamber**

Collection chamber with millilitre graduated scale and equipped with self sealing sampling port.

## **Underwater seal chamber**

Monitoring the patient's air leakages and showing the fluctuations of the water column level.

## **Dry suction control chamber**

Dry seal calibrated suction ranging from -5 to -40cmH<sub>2</sub>O.

An easy-to-read visual indicator ensures to define precise vacuum suction level; a specific red floater indicator shows when suction is active.

## **Integrated Auto-regulation system**

Drentech can be used in connection with all vacuum sources, at different level of negative pressure. No more fine tuning adjustment of vacuum.

## **Automatic positive pressure**

and filtered negative pressure relief valve.

## **Adult Paediatric scale**

Neonatal application in combination with connection tube [10564].

**Single-use, sterile.**

# DRENTECH™ LINE

## DRY-DRY



### DRENTECH™ DUNE

Code : 10113 with lock-in & clamp

Capacity : 2.100 ml

TOTALLY DRY SYSTEM

Pressure range: -5 to -40cmH<sub>2</sub>O

4 units per box



### DRENTECH™ DUNE DOUBLE

Code : 10137

Capacity : 2.100 ml

TOTALLY DRY SYSTEM

DOUBLE PATIENT TUBE

Pressure range: -5 to -40cmH<sub>2</sub>O

4 units per box

# FEATURES

## **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

## **Collection chamber**

Collection chamber with millilitre graduated scale and provided with self sealing sampling port.

## **Monitoring underwater seal chamber**

Filled with water, allows to visualize air leakages.

The integrated dry seal valve avoids the air leakages flows back to the patient during normal drainage function.

## **Dry suction control chamber**

Dry seal calibrated suction ranging from -5 to -40cmH<sub>2</sub>O.

An easy-to-read visual indicator ensures to define precise vacuum suction level; a specific red floater indicator shows when suction is active.

## **Integrated Auto-regulation system**

Drentech can be used in connection with all vacuum sources, at different level of negative pressure without any water migration from the chamber.

No more fine tuning adjustment of vacuum.

## **Automatic positive pressure**

and filtered negative pressure relief valve.

**Single-use, sterile.**

# DRENTECH™ LINE

## Autotransfusion



### DRENTECH™ EMOTRANS

Code : **10161** with clamp  
 Capacity : 2.100 ml  
 Pressure range: -5 to -25cmH<sub>2</sub>O  
 4 units per box

Code : **10166** (Emotrans + connection tube to Cell-Saver)  
 Capacity : 2.200 ml  
 Pressure range : -5 ÷ -25 cm H<sub>2</sub>O  
 4 units per box



### DRENTECH™ EMOTRANS DOUBLE

Code : **10162** with clamp  
 Capacity : 2.100 ml  
 DOUBLE PATIENT TUBE  
 Pressure range: -5 to -25cmH<sub>2</sub>O  
 4 units per box



### DRENTECH™ EMOTRANS DUNE

Code : **10140** with clamp and lock-in  
 Capacity : 2.100 ml  
 TOTALLY DRY SYSTEM  
 Pressure range: -5 to -40cmH<sub>2</sub>O  
 4 units per box



### DRENTECH™ BLOOD BAG

Code : **10141**  
 Capacity : 800 ml  
 10 units per box



# FEATURES

## **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

## **Collection chamber**

Provided with 200 $\mu$ m porous filter for the preliminary filtering of blood during collection.

## **Monitoring underwater seal chamber**

The water sealed chamber, acting as a one-way valve, allows only the air to exit from the chest cavity.

## **Blood recovery bag**

for autologous transfusion to the patient.

An integrated 40 $\mu$ m aggregates filter allows blood treatment of micro-aggregates before re-infusion to the patient.

The bag is completely independent from the drainage system and can be connected on demand.

Fresh blood samples through

**self-sealing sampling port** in the chamber inlet below the patient tube.

**Single-use, sterile.**

# DRENTECH™ LINE

3-MOBILE PROJECT

## RED-LINE Unit



### DRENTECH™ RED-LINE

Code : 10188

DIGITAL VACUUM UNIT

1 unit per box

### PROTECTION FILTER

Code : 10539

PROTECTION FILTER FOR DEVICE UNIT

36 units per box



### DRENTECH™ SIMPLE 3

Code : 10128 with lock-in and clamp

Capacity : 2.200 ml

DOUBLE CHAMBERS SYSTEM

4 units per box

### DRENTECH™ SIMPLE 3 EVO

Code : 10125 with lock-in and clamp

Capacity : 2.200 ml

DOUBLE CHAMBERS SYSTEM

4 units per box

# FEATURES

## DRENTECH™ SIMPLE 3

### **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

### **Collection chamber**

Collection chamber with millilitre scale graduated for paediatric application and provided with self sealing sampling port.

### **Underwater seal chamber**

Filled with water, allows to visualize air leakages.

### **Standard wall suction**

The Simple3 system can also operate by standard wall suction.

Maximum recommended suction pressure:  $-60 \text{ cmH}_2\text{O}$ .

**Single-use, sterile.**

## DRENTECH™ RED-LINE

### **Negative pressure**

Negative pressure regulated through key-board between  $-5$  and  $-60 \text{ cmH}_2\text{O}$ , stepped  $5 \text{ cmH}_2\text{O}$ .

Drentech Red-Line is provided with **acoustic and lightning alarms.**

**Up to 48 hours of independent use** with full charge.

# DRENTECH™ RED-LINE

3-MOBILE PROJECT

## RED-LINE Unit



### DRENTECH™ SIMPLY

Code : 10181 with lock-in

Capacity : 1.200 ml

DOUBLE CHAMBERS SYSTEM

12 units per box

Code : 10171 with lock-in

Capacity : 1.200 ml

SPARE BOTTLE

12 units per box

Code : 10537 with lock-in

SPARE SIMPLY PATIENT TUBE

24 units per box



### DRENTECH™ mini SIMPLY

Code : 10182 with lock-in

Capacity : 400 ml

DOUBLE CHAMBERS SYSTEM

12 units per box

# TECHNICAL FEATURES

## DRENTECH SIMPLY

**Innovative hybrid single bottle drainage system**  
without additional floor stand.  
Practical hangers to fix  
and transport the chest unit.

### **Collection chamber**

Collection chamber with millilitre scale graduated with 400ml or  
1200 of capacity

### **Underwater seal chamber**

Large chamber wich allows a clear air leak visualization

### **Aspirazione a muro**

### **Standard wall suction**

The Simply system can also operate  
by standard wall suction.  
Maximum recommended suction  
pressure: -60 cmH<sub>2</sub>O.

**Single-use, sterile.**

## DRENTECH RED-LINE

Simply and Redline are meant to be together, exalting  
each other features with an innovative design.  
Complete freedom for the patient, indipendence from  
suction sources

# DRENTECH™ LINE

## 3-MOBILE PROJECT

### PALM EVO



#### DRENTECH™ PALM EVO

Code : 10192

DEVICE UNIT for INDEPENDENT SUCTION  
and AIR-LEAKAGE monitoring

1 unit per box



#### PROTECTION FILTER

Code : 10538

PROTECTION FILTER FOR DEVICE UNIT

36 units per box



#### DRENTECH™ SIMPLE 3 EVO

Code : 10125 with lock-in and clamp

Capacity : 2.600 ml

DOUBLE CHAMBERS SYSTEM

4 units per box

# FEATURES

## DRENTECH™ SIMPLE 3

**Stable design in 25 cm height**  
without additional floor stand.

Practical hangers to fix  
and transport the chest unit.

### **Collection chamber**

Collection chamber with millilitre scale graduated  
for paediatric application and equipped with  
self sealing sampling port.

### **Underwater seal chamber**

Filled with water, allows to visualize air leakages.

### **Standard wall suction**

The Simple3 system can also operate  
by standard wall suction.

Maximum recommended suction  
pressure: -60 cmH<sub>2</sub>O.

**Single-use, sterile.**

## DRENTECH™ PALM EVO

### **Negative pressure selection**

through keyboard between 0 and -60 cmH<sub>2</sub>O,  
stepped 5 cmH<sub>2</sub>O after 10 cmH<sub>2</sub>O.

**Real time air leakage, historical air leakage and intra-pleural pressure  
data**, available in digital and graphic mode.

PalmEvo permits **99 hours data storage**  
and USB-key for downloading.

**Touch-screen** monitor for an easier user interface.

Up to **36 hours of independent use**  
with full charge.

# DRENTECH™ LINE

## DOUBLE LUMEN PATIENT TUBE



### DRENTECH™ SIMPLE 3 double lumen

Code : 10186

Capacity : 2.600 ml

WITH A MEMBRANE FILTER (one connection)

4 units per box



### DRENTECH™ SIMPLE 3 double lumen

Code : 10187

Capacity : 2.600 ml

WITH A MEMBRANE FILTER (Y connection)

4 units per box



# FEATURES

## **DRENTECH™ SIMPLE 3 double lumen**

### **Stable design in 25 cm height**

without additional floor stand.

Practical hangers to fix and transport the chest unit.

### **Double patient lumen tube**

allows to drain air and liquids SEPARATELY, to the collection chamber.

### **Collection chamber**

Collection chamber with millilitre scale graduated for paediatric application and equipped with self sealing sampling port.

### **Underwater seal chamber**

Filled with water, allows to visualize air leakages.

The systems can be connected with **PalmEvo unit** allowing addition option of mobilization, air leakage and intrapleural pressure monitoring.

### **Standard wall suction**

The Simple3 system can also operate by standard wall suction.

Maximum recommended suction pressure: -60 cmH<sub>2</sub>O.

**Single-use, sterile.**

# DRENTECH™ LINE

Single chamber



## DRENTECH™ CHEST

Code : 10190

Capacity : 2.300 ml

SINGLE CHAMBER WITH FIXED STRAW

6 units per box



## DRENTECH™ CHEST

Code : 10191

Capacity : 2.300 ml

SINGLE CHAMBER WITH ADJUSTABLE STRAW

6 units per box

# FEATURES

## **SINGLE CHAMBER**

### **Solid and compact design with only 25 cm height**

Allows stability without any additional floor stand.  
Practical hangers to fix and transport chest unit.

### **Monitoring underwater seal chamber**

Air leakages readable in the front side in order to detect patient's conditions when fluid collected fill the chamber.

### **Standard wall suction**

The Drentech Chest system can also operate with standard wall suction.

Maximum recommended suction pressure: -60 cmH<sub>2</sub>O.

**Single-use, sterile.**

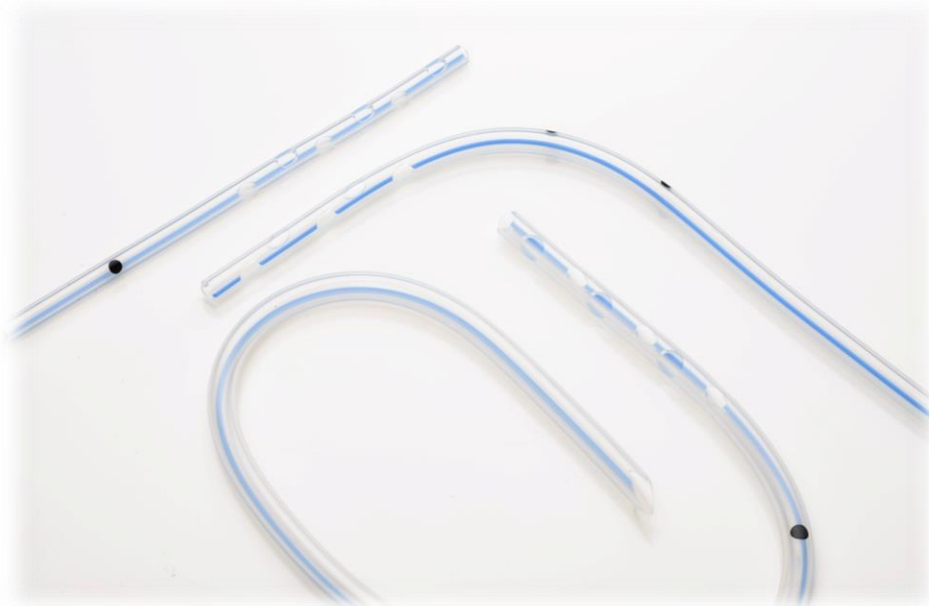
## **The Drentech Chest can be connected with Red-line Unit**

allowing the additional option of mobilization.

This configuration is completely independent from external vacuum source and allows the immediate mobilization of the patient after the surgical operation.

# THORACIC CATHETERS

## Silicone



### STRAIGHT – 50 cm length

code	size (CH)
20812	12
20815	15
20818	18
20821	21
20824	24
20828	28
20830	30
20833	33
20836	36

20 pieces per box

### STRAIGHT – 70 cm length

code	size (CH)
22824	24
22828	28
22830	30
22833	33
22836	36

20 pieces per box

### ANGLED – 50 cm length

code	size (CH)
21824	24
21828	28
21830	30
21833	33
21836	36

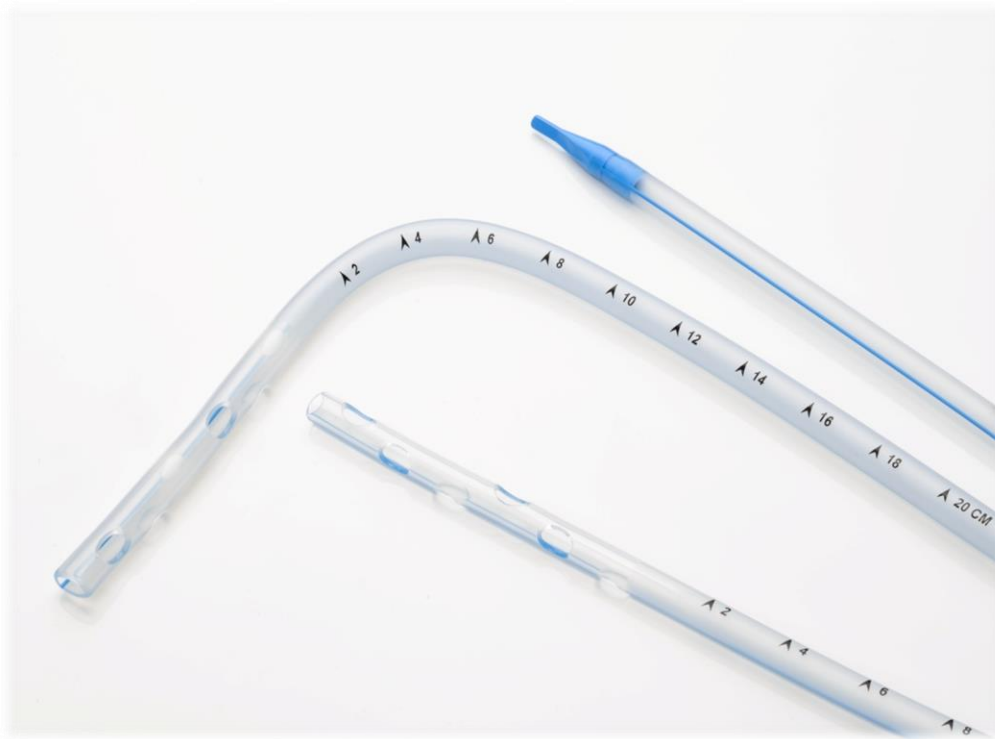
20 pieces per box

Medical grade silicone catheters totally bio- and haemo-compatible.

Bevelled end tip facilitates insertion in the chest wall and allows the chest tube to be cut on an angle to desired length. Tapered oval drainage eyes maximize drainage performance and help prevent tissue damage and clot adhesion. Thoracic catheters are available straight and right angled with 50 cm long. Single-use, sterile.

# THORACIC CATHETERS

## PVC



### STRAIGHT – 45 cm length

code	size (CH)
21016	16
21020	20
21024	24
21028	28
21030	30
21032	32
21036	36
21040	40

25 pieces per box

### ANGLED – 45 cm length

code	size (CH)
20916	16
20920	20
20924	24
20928	28
20930	30
20932	32
20936	36
20940	40

10 pieces per box

Thermo-sensitive PVC conforms easily to anatomical contour for superior patient comfort and improved drainage performance, kink resistant. Sealed blue tip facilitates insertion in the chest wall and allows the chest tube to be cut on an angle to desired length. Tapered oval drainage eyes maximize drainage performance and help prevent tissue damage and clot adhesion. X-ray line aids in accurate positioning. Single-use, sterile.

# TROCAR THORACIC CATHETERS

## BLUNT TIP



code	size (CH)	length
21108	8	22 cm
21110	10	22 cm
21112	12	25 cm
21116	16	25 cm
21118	18	40 cm
21120	20	40 cm
21124	24	40 cm
21128	28	40 cm
21132	32	40 cm

10 pieces per box

PVC tubing resists kinking and conforms to anatomical structures to provide patient comfort. Metallic  $\frac{3}{4}$  trocar realized in aluminium internally placed the PVC catheters. Tapered oval drainage eyes maximize drainage performance and help prevent tissue damage and clot adhesion. Integrated funnel tip allows for insertion and simple attachment to the connector of any chest drainage unit. Adaptor for chest drain connection included. Single-use, sterile.

# TROCAR THORACIC CATHETERS

## SHARP TIP



code	size (CH)	length
11216	16	25 cm
11220	20	40 cm
11224	24	40 cm
11228	28	40 cm
11232	32	40 cm

10 pieces per box

PVC tubing kink resistant conforms to anatomical structures to provide patient comfort. Metallic  $\frac{3}{4}$  trocar realized in aluminium internally placed the PVC catheters. Integrated funnel tip allows for insertion and simple attachment to the connector of any chest drainage unit. Trocar catheters are available with sharp open tip for insertion in the wall chest Adaptor for chest drain connection included. Single-use, sterile.

# HEIMLICH VALVE

Heimlich valve is used to treat spontaneous and tension pneumothorax in emergency situations.



## PRODUCT DESCRIPTION

The device consist of a plastic body with and internal one-way valve. Heimlich valve is connected to the catheter via the tapered connector. The valve allows air to vent from the pneumothorax to the atmosphere, but prevents reverse flow.

Heimlich valve is also available as a complete set with a pre-connected collection bag.

The 2000 ml bag is equipped with tap to empty the liquid and an air vent valve to release air-leaks from patient.

Single-use, sterile.



code

10530

50 pieces per box

code

10531

bag capacity

2000 ml

10 pieces per box



# CONNECTORS

for chest drainage

DRAWING	DESCRIPTION	SIZE	CODE
	Pediatric connector	CH 15 ÷ 18	<b>10500</b> 50 pieces per box
	Symmetrical connector	CH 24 ÷ 36	<b>10507</b> 50 pieces per box
	Symmetrical connector	CH 28 ÷ 40	<b>10509</b> 50 pieces per box
	Connector for Spiral drain	CH 18 ÷ 24	<b>10527</b> 50 pieces per box
	3/8" Y connector	CH 15 ÷ 18	<b>10528</b> 50 pieces per box
	Y connector	CH 9 ÷ 12	<b>10508</b> 50 pieces per box
	3/8" Y connector	CH 24 ÷ 32	<b>10515</b> 50 pieces per box
	1/4" Y connector	CH 24 - 32	<b>10516</b> 50 pieces per box
	3/8" Y connector	CH 36 ÷ 40	<b>10510</b> 50 pieces per box

# CONNECTORS

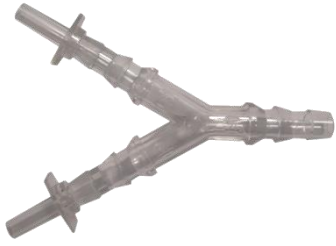
For chest drainage

DRAWING

DESCRIPTION

SIZE

CODE



1/4" Y connector for  
Kardia Spiral

CH 18 ÷ 24

**10513**

50 pieces per box



3/8" Y connector for  
Kardia Spiral

CH 18 ÷ 24

**10518**

50 pieces per box



3/8" connector with  
sampling needle-less port

CH 28 ÷ 40

**10514**

50 pieces per box

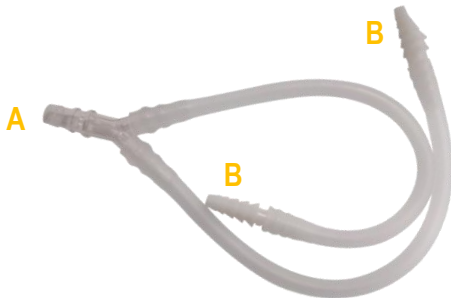


luer-lock connector

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**10504**

20 pieces per box



Y connector with  
extension line

CH 28 ÷ 40

**10512**

10 pieces per box



Connection tube for Cell  
Saver™ device

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**10525**

50 pieces per box



Cap for double  
lumen tube

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**10547**

50 pieces per box

Single-use, sterile.

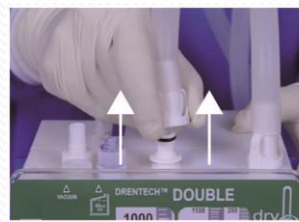
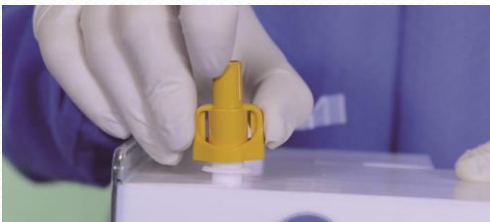
# CONNECTORS

## For chest drainage

DRAWING	DESCRIPTION	SIZE	CODE
	luer-lock Drentech connector		<b>10548</b> 50 pieces per box
	Drentech cap	---	<b>10529</b> 50 pieces per box
	Needle-less sampling port	---	<b>10566</b> 50 pieces per box

Single-use, sterile.

### Cap



### Needle-less

