



# Planecta® Infusion system

JMS Needleless and Closed system  
supporting safety infusion

Planecta®

# Planecta® provides safety environment for patients and medical staff



## Non Dead-Space

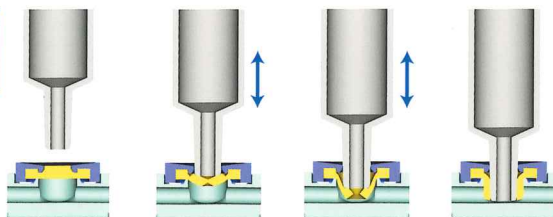
Safe and clean injection port with non dead-space structure

### Planecta®

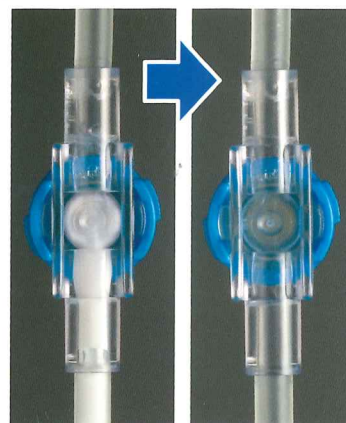


Planecta® is a closed-injection port, that can be used in safe and clean condition, with its design of non dead-space to minimize air or medication trap inside to reduce the risk of contamination. Planecta® can be accessed with any ISO standard luer slip connection, not necessary to use a needle or dedicated connection set. The flat and wide shape of Planecta®'s access port enables easy disinfection.

#### Internal Structure

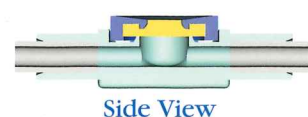


#### Medication Flow



Administer  
2mL of  
medication

1 minute after  
flushing at  
30mL/h



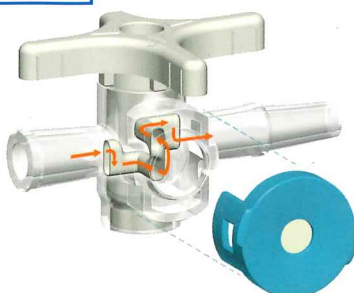
Side View

### Planecta® SC (with Stop Cock)

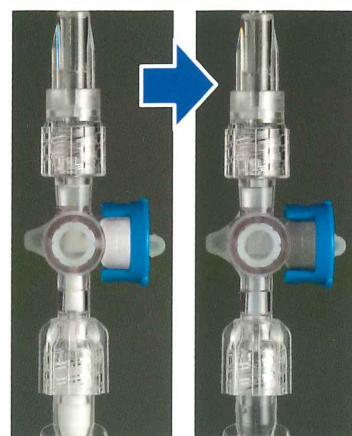


Planecta® with Stop Cock (PNSC) is a new device, incorporating Stopcock into Planecta®, to use both advantages. The access port can be easily disinfected and the unique structure eliminates dead-space.

#### Planecta® SC Structure

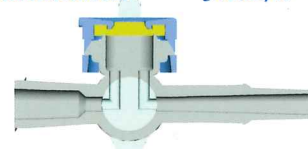


#### Medication Flow



Administer  
2mL of  
medication

1 minute after  
flushing at  
30mL/h



Side View



## Drip Chamber

Can be distinguished by its color

For micro drop  
For standard drop



# Central Venous Line

## One-way Valve

Can be built into an infusion line to control direction of medication flow or prevent back-flow



Bonded-connection type Lock-connection type Umbrella type

## IV Filter



IV Filter 0.2  $\mu$  m

## Planecta®



Planecta® Manifold



Planecta® SC



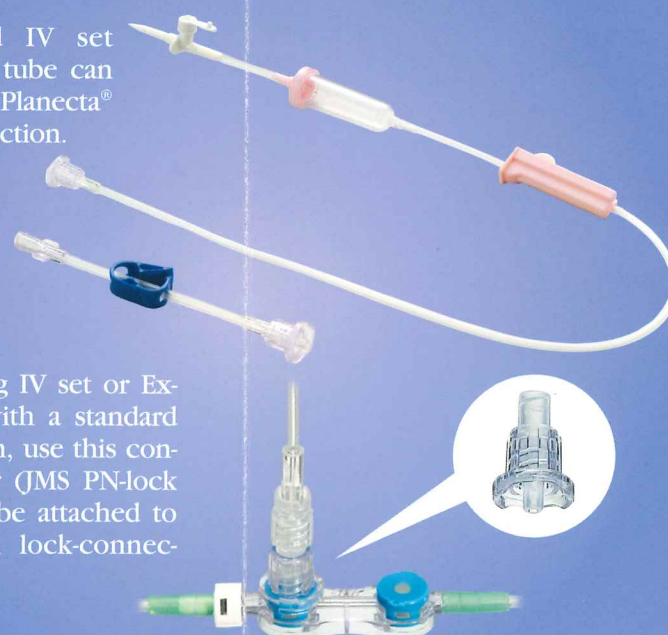
Three types of color, Blue, Red and White, are available. This helps to make a distinguish to infuse different types of medications for its color

This port is suitable for use in Operation room and ICU, where several injections are applied simultaneously

This port is suitable for several purposes to secure a line for monitoring central venous pressure, to perform blood pumping, and to remove air from the infusion line

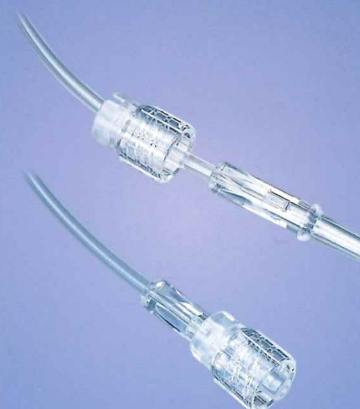
## Injection Line

JMS dedicated IV set and Extension tube can be attached to Planecta® with lock-connection.



In case of using IV set or Extension tube with a standard lock connection, use this conversion adapter (JMS PN-lock Connector) to be attached to Planecta® with lock-connection.

## Extension Tube (Free-lock type and PN-lock type)



Can be used as lock-connection or slip-connection because of its movable locking nut.

## Accessories

Planecta® Vial Access Multi



Planecta® Vial Access  $\phi 20$



Plastic Cannula  
(for ampoule)



(for vial)



Shell Cover



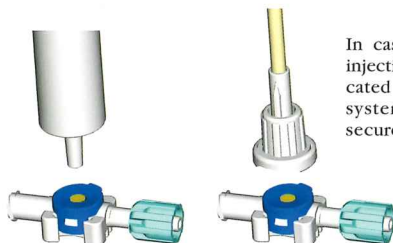


# Needleless and Closed System

## Supporting Safety for Patients and Medical Staff

Planecta® can be accessed with a standard ISO luer slip connection, not necessary to use a needle or dedicated connection set. It helps to reduce accidental needlesticks and waste of a needle.

Accessible



In case of continuous injection, use JMS dedicated lock-connection system (PN lock) to secure the route.

**CAUTION!**



Do not access with a needle or a plastic needle.

## Precautions

Make sure to disinfect the access port with alcohol before use.

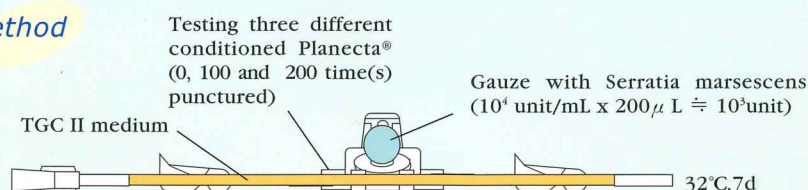
Make sure that there are no loosened parts before use.

Not to put excess pressure on the tube or the connection parts. Disconnection or leakage may happen.

## Microbiological Test (in-house test)

### Bacterial protection performance

#### Method



Positive Control: insert a 0.2mm thick sheet into Planecta® to create a space

Negative Control: Put a gauze with saline

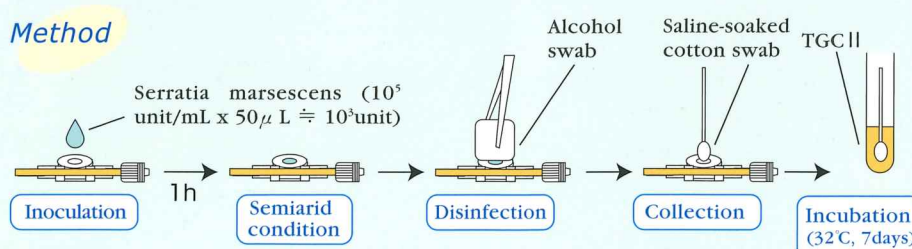
#### Result

Test body		Result (positive number / total test number)
Number of puncture: 0	pos. Co	0/30
	neg Co	10/10
	neg Co	0/10
Number of puncture: 100	pos. Co	0/100
	pos. Co	10/10
	neg Co	0/10
Number of puncture: 200	pos. Co	1/100
	pos. Co	10/10
	neg Co	0/10

No entry of bacteria was found after one hundred times puncture.

### Disinfection test (the surface of access port)

#### Method



#### Result

Test body		Result (positive number / total test number)
Number of puncture: 0	after disinfection	0/100
	pos. Co	100/100
	neg Co	0/10
Number of puncture: 100	after disinfection	0/100
	pos. Co	10/10
	neg Co	0/10
Number of puncture: 200	after disinfection	0/100
	pos. Co	10/10
	neg Co	0/10

No bacteria was found on the surface after Alcohol swab disinfection

Positive Control: Disinfect with Saline-soaked cotton swab

Negative Control: Without Serratia marsescens and Disinfect with Saline-soaked cotton swab

# Planecta® System

Different types of JMS closed system with Planecta® are available for Peripheral Venous Line, Central Venous Line, Arterial Blood Sampling Line and Heparin Line.

Peripheral Venous Line



Central Venous Line



Arterial Blood Sampling Line

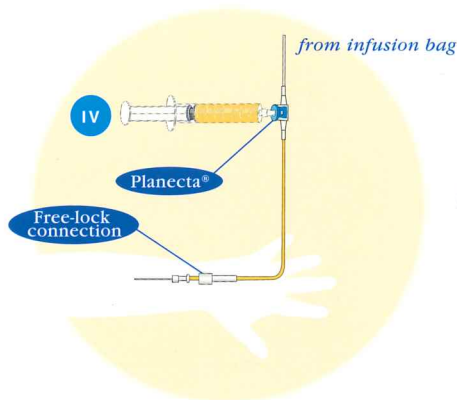


Heparin Line

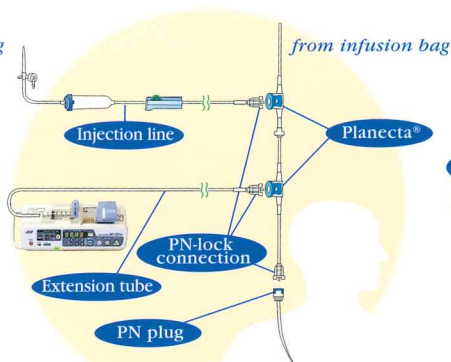


## Example of Use

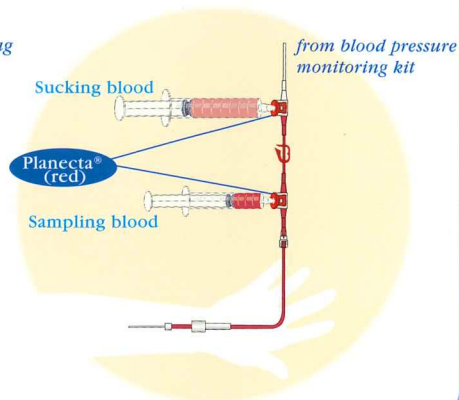
Peripheral Venous Line



Central Venous Line



Arterial Blood Sampling Line



The specifications are subject to change without notice due to continual improvements.

**jsip** stands for JMS Safety Infusion Products



<http://www.jms.cc>

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