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live healthy lives

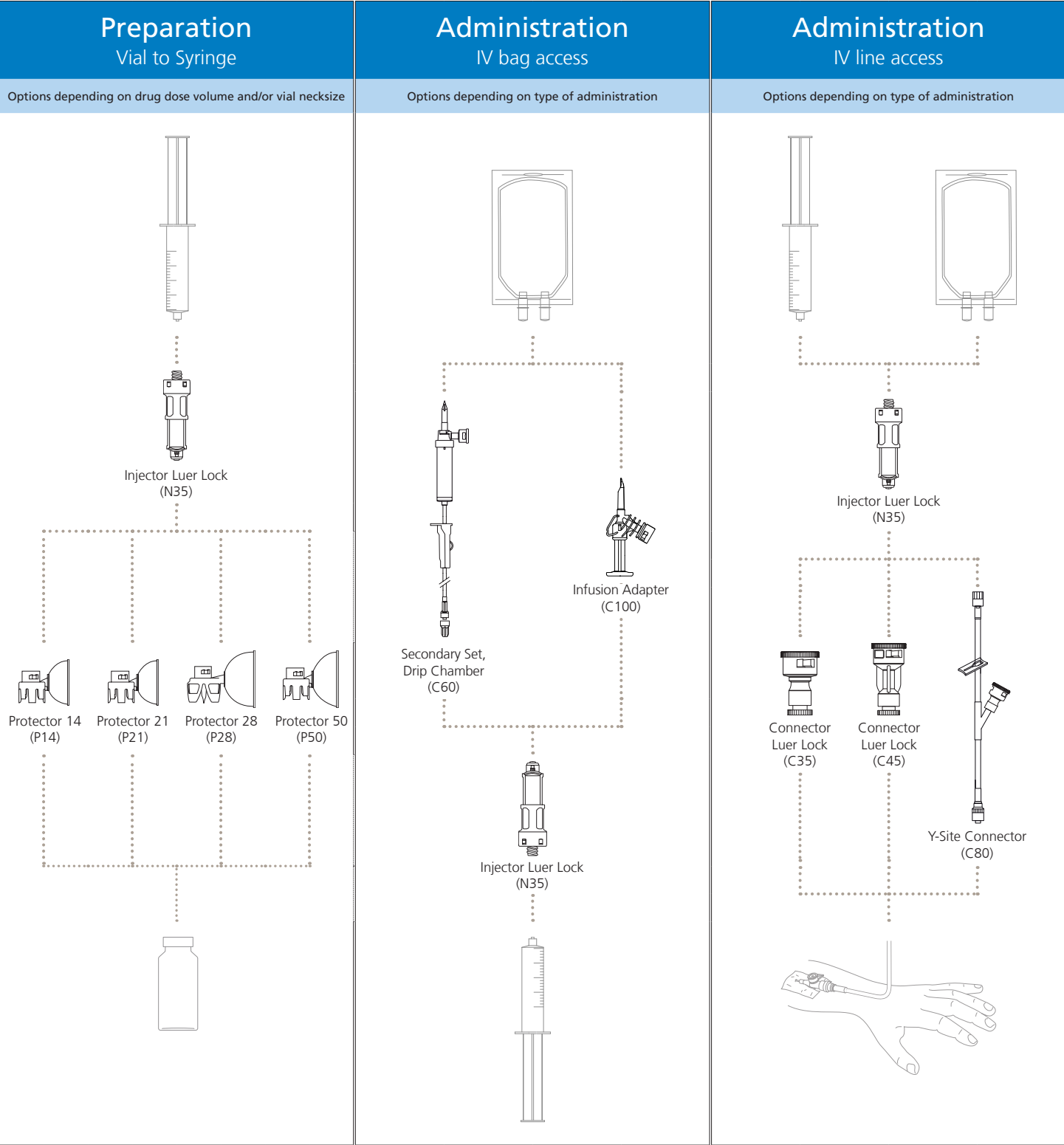
# BD PhaSeal™ System

Product Catalog

BD PhaSeal is a clinically proven closed-system drug transfer device that prevents hazardous drug exposure.

This product catalog contains information regarding the different components of the BD PhaSeal system. Whether you are to prepare a drug for administration by infusion or by injection, the BD PhaSeal system offers the range of products to meet your safe handling requirements.

# Product overview



The product range may vary between different markets.



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# BD PhaSeal™ Protector

The Protector is a pressure equalization device which is permanently attached to the vial. It is used in the preparation of drugs from either powder or liquid form.

The Protector establishes and maintains neutral pressure when air or fluid is injected into or aspirated from the vial.

*Material specifications, see page 11.*



## Drug vial access device – BD PhaSeal Protector



### Protector (P14)

REF 515100



Vial adapter for closed reconstitution and pressure equalization. For drug vials with neck Ø13 mm. When attached to a vial, Protector (P14) has an equalizing capacity of 20 mL of air.

#### PACKAGING

User box	50 pcs
Transport box	200 pcs



### Protector (P21)

REF 515102



Vial adapter for closed reconstitution and pressure equalization. For drug vials with neck Ø20 mm. When attached to a vial, Protector (P21) has an equalizing capacity of 20 mL of air.

#### PACKAGING

User box	50 pcs
Transport box	200 pcs



### Protector (P28)

REF 515104



Vial adapter for closed reconstitution and pressure equalization. For drug vials with neck Ø28 mm. When attached to a vial, Protector (P28) has an equalizing capacity of 60 mL of air.

#### PACKAGING

User box	25 pcs
Transport box	100 pcs



### Protector (P50)

REF 515105



Vial adapter for closed reconstitution and pressure equalization. For drug vials with neck Ø20 mm. When attached to a vial, Protector (P50) has an equalizing capacity of 50 mL of air.

#### PACKAGING

User box	25 pcs
Transport box	100 pcs



# BD PhaSeal™ Injector

The Injector ensures a closed transfer of the drug by means of double, elastomeric membranes.

*Material specifications, see page 11.*



## BD PhaSeal™ Administration products IV line access

BD PhaSeal administration products ensure closed transfer to infusion bags and closed administration of the drug via the patient's IV line.

*Material specifications, see page 11.*

## Syringe safety device – BD PhaSeal Injector



### Injector Luer Lock (N35)

REF 515003

Transfer device that attaches to a disposable syringe or IV tubing with a standard Luer Lock connection.



#### PACKAGING

User box	50 pcs
Transport box	200 pcs

## BD PhaSeal Administration products – IV line access



### Connector Luer Lock (C35)

REF 515200

Attaches to the patient's IV line, providing a closed connection to the Injector. Standard Luer Lock connection.



#### PACKAGING

User box	50 pcs
Transport box	200 pcs



### Connector Luer Lock (C45)

REF 515202

Attaches to the patient's IV line, providing a closed connection to the Injector. Standard Luer Lock connection. This Connector is designed for use with needle-free ports with internal pistons.



#### PACKAGING

User box	50 pcs
Transport box	200 pcs



### Y-site Connector (C80)

REF 515304

Extension tubing with in-built BD PhaSeal Connector.  
Total length: 21 cm.  
Priming volume: 1.6 mL.



#### PACKAGING

User box	30 pcs
Transport box	120 pcs



# BD PhaSeal™ Administration products

## IV bag access

*Material specifications, see page 11.*





# BD PhaSeal Administration products – IV bag access



## Secondary Set, Drip Chamber (C60)

REF 515301

Secondary set with in-built BD PhaSeal Connector for closed transfer to IV bag.

Total length: 102 cm.

Priming volume: 12.5 mL.

Drops/mL: 20.

STERILE

EO



### PACKAGING

User box	20 pcs
Transport box	80 pcs



## Infusion Adapter (C100)

REF 515306

Connection between IV bag and non vented infusion set. In-built BD PhaSeal Connector for closed transfer to IV bag. PVC-free.

STERILE

EO



### PACKAGING

User box	50 pcs
Transport box	200 pcs

## BD PhaSeal Application products



### Assembly Fixture (M12)

REF 515400

Mechanical device used for consistent and simple attachment of a Protector to a drug vial. Non-sterile.



#### PACKAGING

Transport box	1 pc
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### Syringe Tray (M15)

REF 515401

The Syringe Tray is used to transport the filled syringe to the administration area. Designed to accommodate 1–30 mL syringes with Injector Luer Lock (N35). Non-sterile.



#### PACKAGING

Transport box	120 pcs
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### Infusion Clamp (M25)

REF 515403

Clamp for securing the connection of Injector Luer Lock (N35) to the Connector. Non-sterile.



#### PACKAGING

User box	25 pcs
Transport box	100 pcs



### Cap for Injector membrane (M50)

REF 515404

Protects membrane on Injector from direct contact with contaminated surfaces during transport and storage.



#### PACKAGING

User box	50 pcs
Transport box	200 pcs



### Hanger for IV-bag (M55)

REF 515405

#### PACKAGING

User box	40 pcs
Transport box	160 pcs

## Material specification

### BD PhaSeal Protector (P14/ P21/ P28/ P50)

Protector | REF 515100/ 515102/ 515104/ 515105

COMPONENTS	MATERIAL
Expansion film	PA/PP
Hydrophobic filter	PTFE
Filter cover	PP
Membrane	TPE
Housing	PP
Cannula (P14, P21, P50)	Stainless steel
Protective lid (P14, P21, P50)	PE
Protective lid (P28)	PP

### BD PhaSeal Injector (N35)

Injector Luer Lock | REF 515003

COMPONENTS	MATERIAL
Cannula	Stainless steel
Cylinder	ABS
Membrane	TPE
Piston/Cannula housing	PP
Safety sleeve	POM
Piston sealing	Silicone

### BD PhaSeal Administration products

Connector Luer Lock (C35/ C45) | REF 515200/ 515202

COMPONENTS	MATERIAL
Housing	PP
Membrane	TPE
Protective cap	PE

#### Secondary Set, Drip Chamber (C60) | REF 515301

Protective cap (spike)	PE
Spike	ABS
Connector	ABS
Membrane	TPE
Drip chamber	PVC (DEHP-free)
Tubing	PVC (DEHP-free)
Roller clamp	ABS
Male Luer Lock	ABS
Protective cap with Flow Stop	PE

#### Y-Site Connector (C80) | REF 515304

Protective cap, female Luer Lock	ABS
Female Luer Lock	ABS
Tubing	PVC (DEHP-free)
Slide clamp	PP
Connector housing	ABS
Membrane	TPE
Y-Site	ABS
Rotating collar	ABS
Male Luer Lock	ABS
Protective cap with Flow Stop	PE

#### Infusion Adapter (C100) | REF 515306

Protective cap	PP
Spike housing	PP
Membrane	TPE
Spike port	TPE

<b>ABS</b>	Acrylo-nitrile butadiene styrene copolymer
<b>DEHP</b>	Di (2-ethylhexyl) phthalate
<b>PA</b>	Polyamide
<b>PE</b>	Polyethylene
<b>POM</b>	Polyoxymethylene
<b>PP</b>	Polypropylene
<b>PVC</b>	Polyvinyl chloride
<b>PTFE</b>	Polytetrafluoroethylene
<b>SEBS</b>	Styrene-ethylene-butylstyrene
<b>TPE</b>	Thermoplastic elastomer

#### Key to symbols

 Sterilised using ethylene oxide



Do not re-use



Latex-free



DEHP-free



BPA-free

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