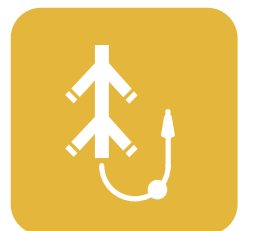
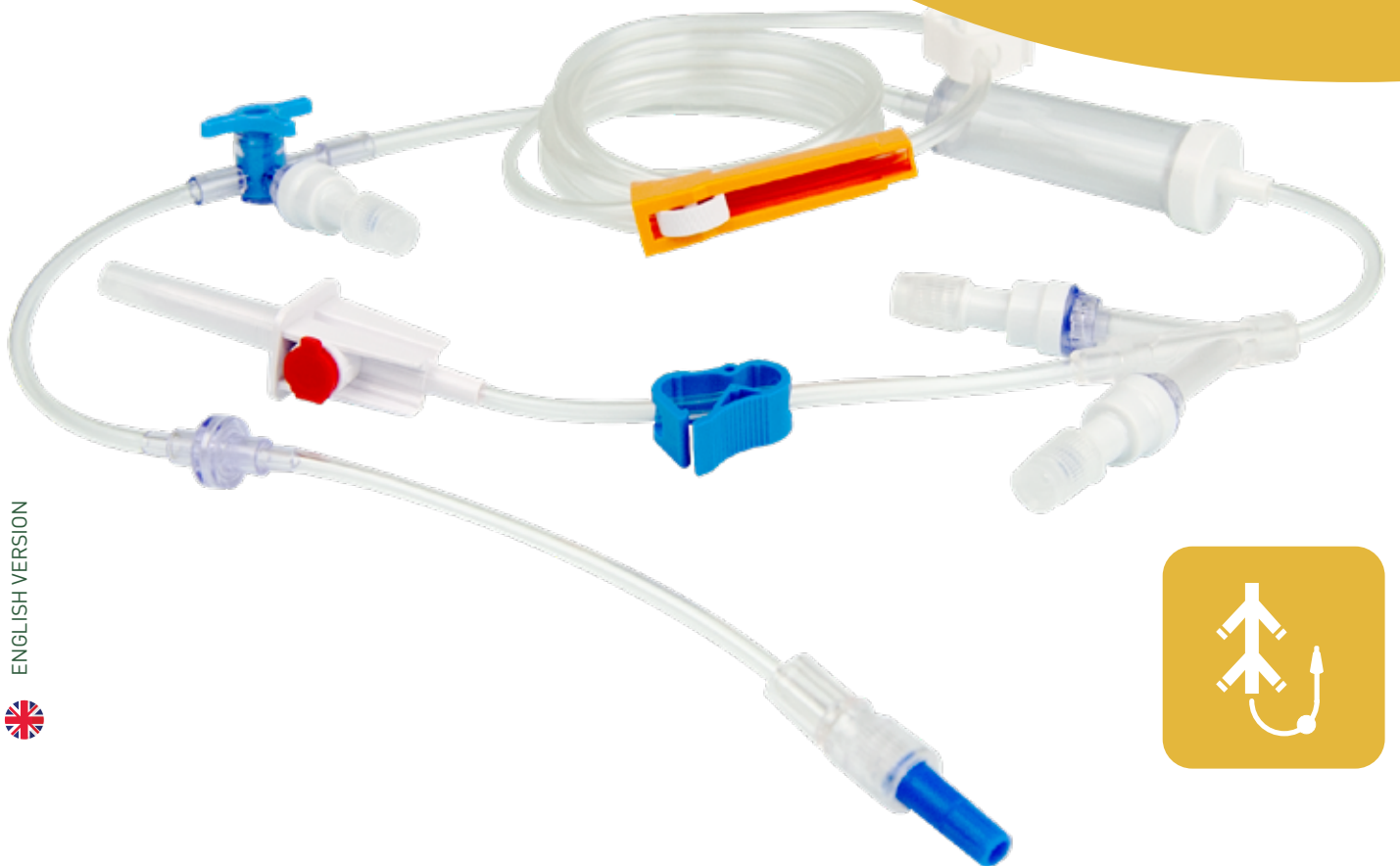


ONCOLOGY



THE EXPERIENCE IN STEP WITH INNOVATION

HMC Group already expert in the oncology sector, has developed, improved and designed new medical devices for reconstitution, preparation and administration of chemotherapy drugs a field constantly evolving with growing needs.

SAFETY

Security is the key word when we talk about drugs potentially dangerous as chemotherapy drugs.

Each device is designed and made **to protect as much as possible healthcare professionals and patients.** The devices are **closed circuits** and are supported by aid of unidirectional and self-sealing valves to avoid spreading. In the same way spikes are equipped with wings or safety hooks to avoid accidental disconnection from the bottles.

This witnessing the use of **sophisticated technologies with a high level of precision, in line with the best skill of Italian biomedical industry.**

COMPATIBILITY

Components used for the connections between devices are compliant to standards and **compatible with the most famous names in the field.** In such a delicate area as the oncological, it is clear how much this aspect is crucial.

ATTENTION TO MATERIALS

Multiway and lateral accesses, amber and neutral administrators, PVC and Polyurethane tubes and inline filters are just a few examples of the possibility to cover the **whole selection of operations ranging from reconstitution of the drug up to get to patient administration.** The innovations recently introduced and illustrated below are allowing to deal with more challenging drugs such as taxane and busulfan.

Possibility to study tailored solutions when new technological needs could arise is part of HMC Group capabilities.

ASSISTANCE

HMC Group has its own **network of Product Specialists and Technicians to better assist healthcare professionals** called to operate in delicate conditions, as sometimes this is requiring the company support.



ADMINISTRATION

In addition to standard solutions, the particularity and multiplicity of oncological therapies require variants that allow **to match ward and patient needs**, while combining **efficacy and safety**.

In fact, there are many parameters to consider, as the incompatibility of some drugs with PVC, the protection of photosensitive drugs, the use of valves self-sealing and / or one-way, the presence of the 3-way stopcock with self-sealing valve.

The result of this work of research along with the advice from professionals is a combination of factors that makes the **product line complete, safe, and reliable**.

Continuous attention and research to offer operators the best therapeutic opportunities.

Administrators:

- standard in PVC
- for photosensitive drugs
- in PU for drugs incompatible with PVC



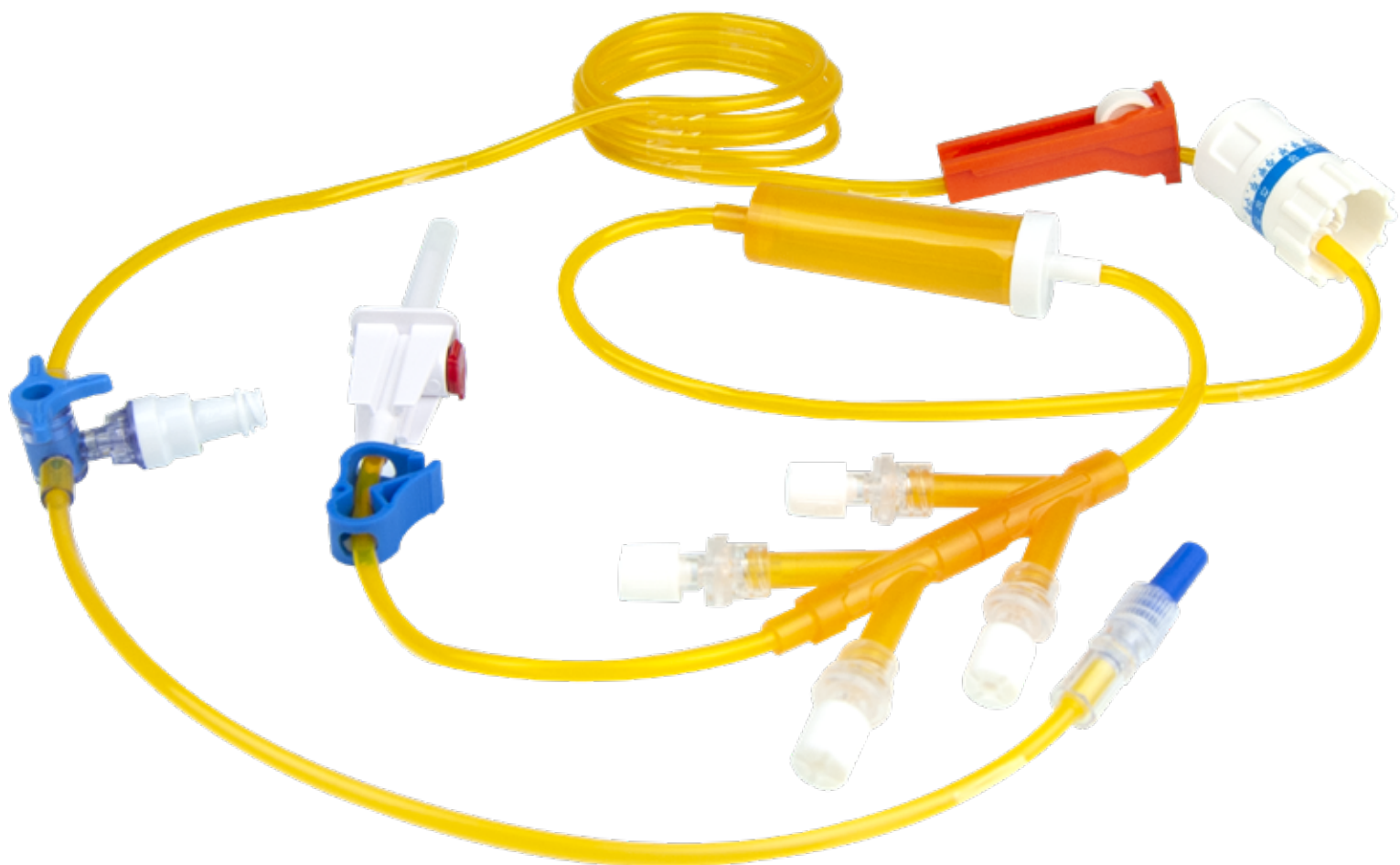
ACCESS

One, Two- or Four-ways administration sets are available

CONNECTION

Check valve or addition of self-sealing valve in the lateral ways.






PHOTOSENSITIVE

Amber materials to protect photosensitive drugs




STANDARD ADMINISTRATOR IN PVC

CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308A	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308B	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308C	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308CNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES ARE PROVIDING 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN POLYURETHANE

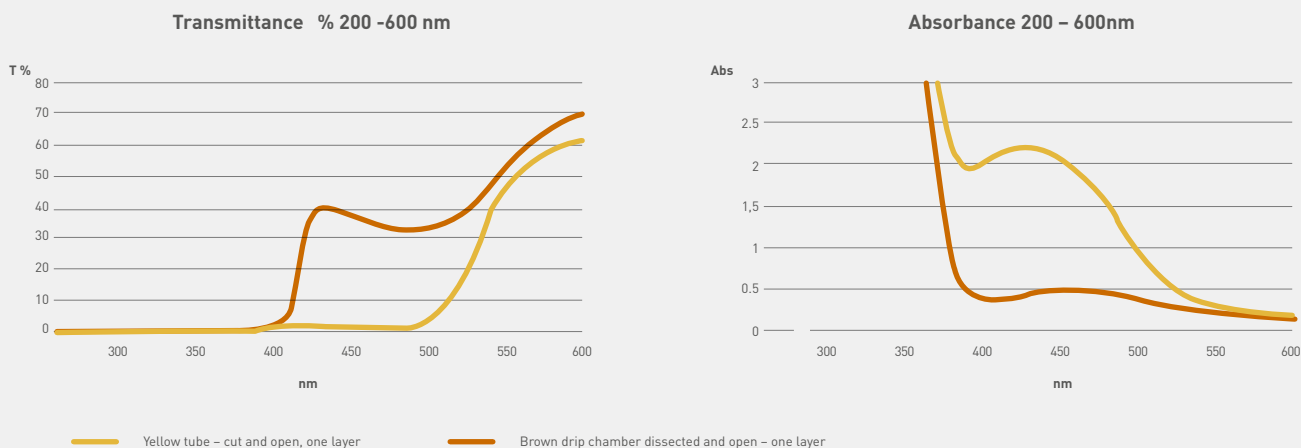
CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309A	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309B	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309C	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309CNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES ARE PROVIDING 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

PHOTOSENSITIVE DRUGS

Light exposure can alter some types of chemotherapy drugs, such as Carboplatin, Cisplatin, Fluorouracil, Anthracyclines, being them **photosensitive**. For this reason, it is important to protect them with devices avoiding this type of problem. The solution adopted has been to create devices using **pigmented materials with amber colouring allowing to selectively stop the wavelengths** that might modify the drug.

Through laboratory tests we evaluated the transmittance (i.e. the relationship between incident and emerging light flow passing through a substance) and absorbance (i.e. the ability of a substance to absorb a light source). The results have been reported in the next diagram: from this we may understand the obtained shielding high power in the wavelengths between 200 and 600 nm¹.




The tube is granting an absolute shielding from 200 to 500nm. In any event, it is granting a shielding equal to 50% for values higher than 500nm till 600nm and equal to 40% for extreme conditions close to 600nm.

The drip chamber and connectors are granting an absolute shielding from 200 to 370nm. However, they are granting a shielding for values comprised between 370 and 500nm equal to an average of 65%, for values till 550nm equal to 50% and for extreme conditions close to 600nm equal to 40%.


Consequently, we may conclude that HMC amber medical devices are offering a high shielding power along the entire wavelength range of the light sources.

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN PVC

CODE	WAYS	DRIP CHAMBER	SPIKE	N. R. V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308AA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308BA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308CA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308CANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES ARE PROVIDING 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN POLYURETHANE

CODE	WAYS	DRIP CHAMBER	SPIKE	N. R. V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309AA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309BA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309CA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309CANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES ARE PROVIDING 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

URINARY BLADDER ADMINISTRATION

Kits are provided with a rotating male luer lock connection and two female luer lock connections.

HMC Group **includes a catheter cone adapter in the same pack**: a concrete advantage of convenience for the operators.

Two versions available: brand new one providing difference of lengths between saline solution and drug administration lines, these two distinguished by coloured clamps and equipped with self-sealing valve for the drug; the other version is a standard one.

Specially designed to allow infusion therapies practical and safe.



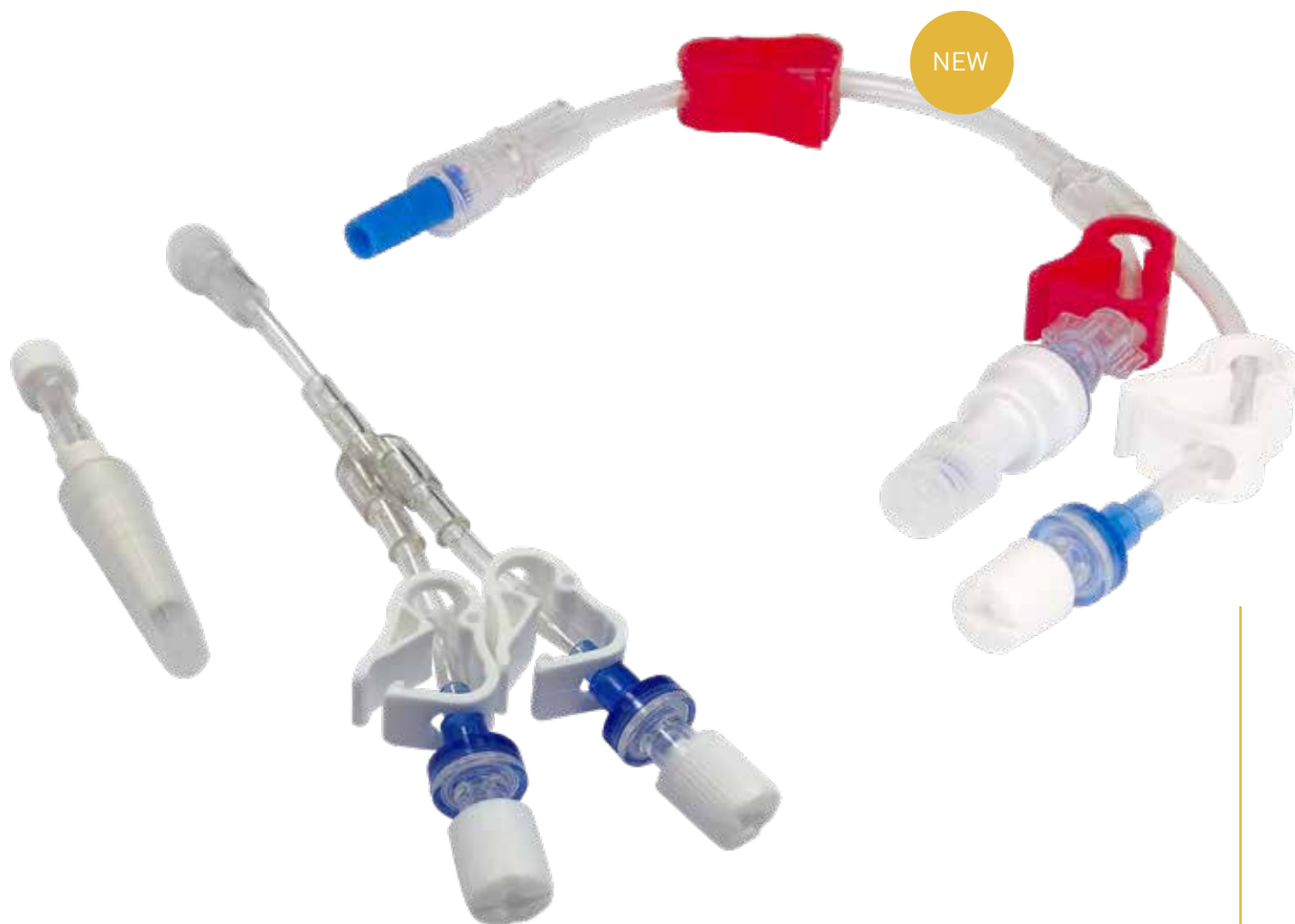
CONVENIENCE OF USE

The presence of a red and a white clamp allows the operator to easily identify drug line and saline solution line.

CONNECTIONS

Self-sealing valve on the chemotherapy drug infusion port.






DESIGN

A design with different lengths for saline solution and drug, specially conceived to facilitate the therapeutic approach.

URINARY BLADDER ADMINISTRATION

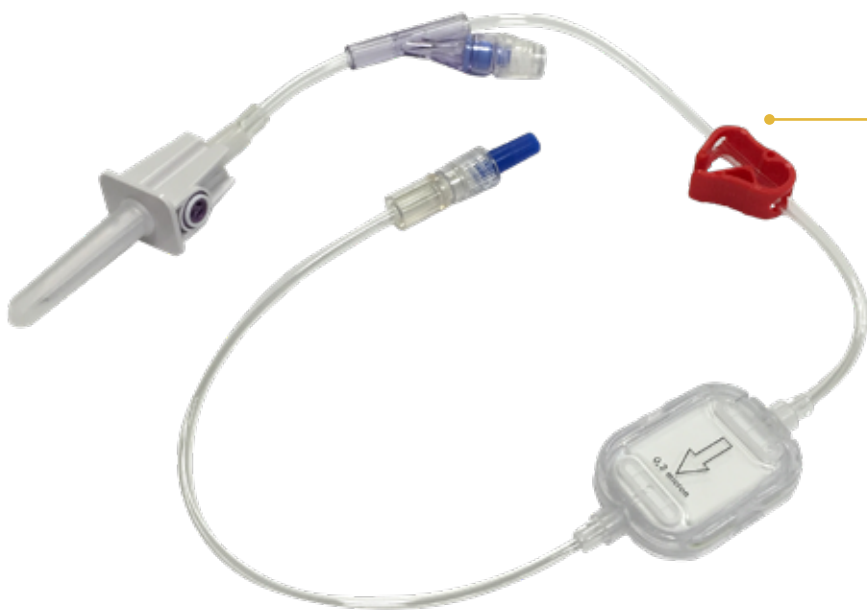
CODE		ADAPTER	
MCI/303M	URINARY BLADDER ADMINISTRATION WITH ONE WAY VALVE	CATETHER CONE	50
MCI/3030	URINARY BLADDER ADMINISTRATION WITH ONE WAY VALVE AND SELF-SEALING VALVE	CATETHER CONE	50

PREPARATION

Sets for preparation of chemotherapy drugs for infusion play a crucial role in the complicated way to reconstitution, preparation, and administration of chemotherapy drugs. The peculiarity of these devices is that **they create a bridge between preparation and administration.**

Attention has been focused on

features and composition, as the use of flexible, resistant and anti-kinking tubes, in PVC or PU, and with the presence of self-sealing valves. Photosensitive drugs are protected by amber sets, while 0.2µm filters are expected to be used for taxane preparation, as such drugs can give rise to precipitates.



RAW MATERIALS

PVC Dehp free, amber PVC (pigments selectively stop wavelengths between 200 and 600nm), PU polyurethane (for drugs that are not compatible with PVC), amber PU.




FLOW REGULATOR

Double scale precision flow regulator, ABS made, with adjustable flow regulation from 0 ÷ 250ml/h


A new polyurethane set for preparation has been inserted. This is equipped with self-sealing lateral access and it is suitable to be used with drugs as busulfan.




STANDARD SET FOR PREPARATION

CODE	DESCRIPTION	
MCI/301A	SET PREP. AND ADMIN. CHEMOTHERAPY DRUGS, CLEAR, PVC	50


SET FOR PREPARATION WITH LATERAL ACCESS

CODE	DESCRIPTION	
MCI/302L	SET PREPARATION AND ADMIN. SPIKE N.L.V. N.R.V CLEAR PU	50


SET FOR PREPARATION OF PHOTSENSITIVE DRUGS

CODE	DESCRIPTION	
MCI/301E	SET PREP. AND ADMINISTRATION PHOTSENSITIVE DRUG, AMBER, PVC	50
MCI/302LA	SET PREPARATION AND ADMIN. SPIKE N.L.V. N.R.V AMBER PU	50

SET FOR PREPARATION WITH TAXANE FILTER

CODE	DESCRIPTION	
MCI/302A	SET PREP. and ADMINISTRATION FOR TAXANE WITH FILTER 0,2μ, PVC	50
MCI/302A1	SET PREP. and ADMINISTRATION FOR PHOTSENSITIVE TAXANE WITH FILTER 0,2μ, AMBER PVC	50

SET FOR PREPARATION WITH FLOW REGULATOR

CODE	DESCRIPTION	
MCI/302B	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY DRUGS WITH FLOW REGULATOR	50
MCI/302C	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY PHOTSENSITIVE DRUGS WITH FLOW REGULATOR, AMBER PVC	50

RECONSTITUTION AND DILUTION DEVICES

The reconstitution of chemotherapy drugs is one of the most delicate operation, being that concentrated, or powder drugs must be mixed. There should be in place mainly three key aspects: a **closed circuit** by self-sealing valves, a safe and enduring coupling of the circuit to **bottles** and the **not-dispersion** in the surrounding environment of **harmful aerosols**. In addition to the above mentioned safety parameters, there

are also other quality parameters such as the possibility of drawing up all available liquid, comfortable handling, and possibility of easily taking even the most viscous drugs. For this reason, the spikes range is wide and various, inclusive of devices that do not require safety hooks, but that may be of good use in laboratory.



SAFETY HOOK

Safety hook in polycarbonate allowing the best fixing of the spike to the bottle (from 13 till 20mm).

HYDROPHOBIC FILTER

Hydrophobic filter with 0,2 μ PTFE/ Nylon membrane avoiding any risk of "aerosol" effects during the operation of drugs preparation and draw up.





FILTER FOR LIQUIDS

Filters for liquids are available in two different pore sizes membrane, identifiable by different colours: green filter is 5 μ ; blue filter is 15 μ .


HOOKS

Winged hooks are available.







MICRO SPIKE

CODE	TYPE	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/302M	2 WAY- AIR FILTER 3 µm	No	Yes	200

BIG SPIKE

CODE	TYPE	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/305E	2 WAY- AIR FILTER 3 µm	No	Yes	200
MCI/304V	2 WAY- AIR FILTER 3 µm	15 µm	Yes	200
MCI/301T	2 WAY W. 1 WAY VALVE	No	Yes	200

VIAL ADAPTER 13MM


CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304T	-	13 mm	No	Yes	200

VIAL ADAPTER 20MM


CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304S	-	20 mm	No	Yes	200




SMALL SPIKE WITH SAFETY HOOKING

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304G	2 WAY- AIR FILTER 0,2 µm	20 mm	No	Yes	100
MCI/304I	2 WAY- AIR FILTER 0,2 µm	20 mm	5 µm (GREEN)	Yes	100
MCI/304L	2 WAY- AIR FILTER 0,2 µm	20 mm	15 µm (BLUE)	Yes	100

VIAL ADAPTER 13MM WITH AIR FILTER 0,2 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304E	2 WAY- AIR FILTER 0,2 µm	13 mm	No	Yes	100

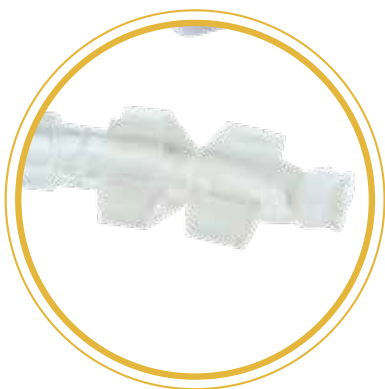
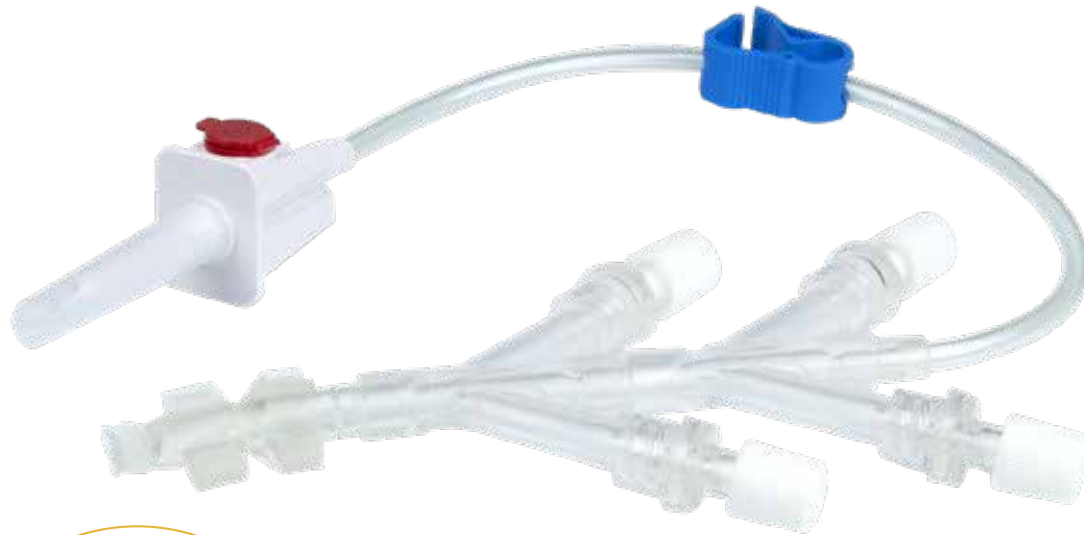
VIAL ADAPTER 20MM WITH AIR FILTER 0,2 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304D	2 WAY- AIR FILTER 0,2 µm	20 mm	No	Yes	100

PUMP ADAPTERS

The use of administration sets addressed to specific infusion pumps is allowed by the addition of two- or


four-way pump adapter. They may be clear or amber coloured.



TERMINAL CONNECTOR


Twist off to connection to the pump administrator spike.

ADAPTERS IN PVC DEHP FREE

CODE	WITH N.R.V.	SPIKE	CONNECTIONS	
MCI/350A	2	2 WAY- AIR FILTER 0,2 µm	SPIKE MEMBRANE	50
MCI/350B	4	2 WAY- AIR FILTER 0,2 µm	SPIKE MEMBRANE	50

PHOTOSENSITIVE DRUGS

ADAPTERS IN PVC DEHP FREE FOR PHOTOSENSITIVE DRUGS


CODE	WITH N.R.V.	SPIKE	CONNECTIONS	
MCI/350AA	2	2 WAY- AIR FILTER 1,2 µm	SPIKE MEMBRANE	50
MCI/350BA	4	2 WAY- AIR FILTER 1,2 µm	SPIKE MEMBRANE	50

EXTENSION SET

The extension set allows to modify the administration sets by adding further therapeutic possibilities with adaptability and convenience. An extension set with closed-circuit stopcock for bolus administration

of chemotherapy drugs is available. The device is polyurethane made, thus compatible also with drugs not suitable to be infused with PVC lines.

EXTENSION SET IN PU (POLYURETHANE) WITH STOPCOCK AND SELF-SEALING VALVE

CODE	WAY WITH N.R.V.	Ø I.D./O.D.	LENGTH	CONNECTIONS	
MCI/304N	1	Ø2,9X4,1	10	3 WAY STOPCOCK WITH N.L.V. AND N.R.V.	100



ACCESSORIES

CLOSED CICRUIT MALE LOCK FOR PREPARATION, TRANSFER AND ADMINISTRATION OF CHEMOTHERAPY DRUGS.

The drugs used for the treatment of neoplasia are often dangerous and high could be the risk of contamination of the health personnel due to exposure during the preparation and administration of the solutions, successively administered via intravenous.

Most important international organizations are recommending the use of closed circuit systems.

The male luer lock connector provides a closed-circuit system designed to minimize the risks associated with the preparation and administration of chemotherapy drugs. The needle-free self-sealing system allows

the preparation, transport and administration of drugs without the risk of contamination, even during the disposal of the device.

Once connected to the syringe it is no longer possible to disconnect from it, thus ensuring total safety of use.

The internal part of the device is in polysulfone.

Chemical compatibility with the most dangerous antineoplastic drugs used (1), and microbiological safety (2) has been proven.

It is easy and intuitive to use and compatible with all female luer connections.



(1) CMC V&V Test Report for Compatibility with hazardous drugs. July 13, 2011.


(2) OLAVTM Closed Male Luer Connector Microbial Challenge – By David Ziv. Revision 1, February 2016

SELF-SEALING VALVE


Self-sealing valve in polycarbonate suitable for the administration of chemotherapy drugs.



CLOSED CIRCUIT MALE LUER LOCK


CODE	CONNECTIONS	FILLING VOLUME	RESIDUAL VOLUME	
MCI/720D	L.L.M - L.L.F.	0,1ml	0 ml	500

SELF-SEALING VALVE NEEDLELESS

CODE	CONNECTIONS	MATERIAL	
MCI/720.2C	L.L.M	ABS SILICON POLYCARBONATE	500


ADMINISTRATION

STANDARD ADMINISTRATOR IN PVC

CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308A	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308B	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308C	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308ANL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308BNL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308CNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

STANDARD ADMINISTRATOR IN POLYURETHANE

CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309A	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309B	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309C	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309NL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309BNL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309CNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN PVC

CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308AA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308BA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308CA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308AANL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308BANL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308CANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK


ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN POLYURETHANE

CODE	WAYS	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309AA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309BA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309CA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309AANL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309BANL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309CANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50

ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK


CODES AND CHARACTERISTICS

STANDARD ADMINISTRATOR IN PVC WITH FLOW REGULATOR

CODE	WAY	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308D	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308E	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308F	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308DNL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308ENL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308FNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

STANDARD ADMINISTRATOR IN POLYURETHANE WITH FLOW REGULATOR

CODE	WAY	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309D	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309E	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309F	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309DNL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309ENL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309FNL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN PVC WITH FLOW REGULATOR

CODE	WAY	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/308DA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308EA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308FA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/308DANL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308EANL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/308FANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

ADMINISTRATOR FOR PHOTSENSITIVE DRUGS IN POLYURETHANE WITH FLOW REGULATOR

CODE	WAY	DRIP CHAMBER	SPIKE	N.R.V. IN THE LATERAL WAYS	SELF-SEALING VALVE IN THE LATERAL WAYS	
MCI/309DA	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309EA	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309FA	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	Yes	No	50
MCI/309DANL	1	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309EANL	2	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50
MCI/309FANL	4	Ø16 x 70mm - FILTER 15 µm	2 WAY - FILTER 1,2 µm	No	Yes	50


ALL CODES EQUIPPED WITH 3 WAY STOPCOCK WITH SELF-SEALING VALVE AND ROTATING MALE LUER LOCK

URINARY BLADDER ADMINISTRATION


CODE	WAYS WITH N.R.V.	ADAPTER	CONNECTIONS	
MCI/303M	2	2 WAY "Y" ADAPTER	NRV CATETHER CONE	50
MCI/3030	1	"Y" CONNECTOR FOR INFUSION	N.L.V. CATETHER CONE	50

PREPARATION


STANDARD SET FOR PREPARATION IN PVC

CODE	DESCRIPTION	
MCI/301A	SET PREP. AND ADMIN. CHEMOTHERAPY DRUGS, CLEAR, PVC	50
MCI/301A1	SET PREP. AND ADMIN. CHEMOTHERAPY DRUGS, CLEAR, PVC WITH N.R.V.	50


SET FOR PREPARATION IN PU (POLYURETHANE)

CODE	N.R.V	FILTER 0,2 µm	LATERAL ACCESS	
MCI/302I	Yes	No	No	50
MCI/302L	Yes	No	Yes	50

SET FOR PREPARATION OF PHOTSENSITIVE DRUGS

CODE	DESCRIPTION	
MCI/301E	SET PREP. and ADMINISTRATION PHOTSENSITIVE DRUG, AMBER, PVC	50
MCI/301E1	SET PREP. and ADMINISTRATION PHOTSENSITIVE DRUG WITH N.R.V	50

SET FOR PREPARATION OF PHOTSENSITIVE DRUGS IN PU (POLYURETHANE)

CODE	N.R.V	FILTER 0,2 µm	LATERAL ACCESS	
MCI/302IA	Yes	No	No	50
MCI/302LA	Yes	No	Yes	50


V.N.R.: VALVOLA DI NON RITORNO

CODES AND CHARACTERISTICS


SET FOR PREPARATION WITH TAXANE FILTER

CODE	N.R.V	FILTER 0,2 µm	
MCI/302A	No	Yes	50
MCI/302A3	Yes	Yes	50


SET FOR PREPARATION IN PVC WITH PHOTSENSITIVE TAXANE FILTER

CODE	N.R.V	FILTER 0,2 µm	
MCI/302A1	No	Yes	50
MCI/302A2	Yes	Yes	50

SET FOR PREPARATION WITH FLOW REGULATOR

CODE	DESCRIPTION	
MCI/302B	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY DRUGS WITH FLOW REGULATOR	50
MCI/302B1	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY DRUGS WITH FLOW REGULATOR AND N.R.V	50


SET FOR PREPARATION OF PHOTSENSITIVE DRUGS IN PVC WITH FLOW REGULATOR

CODE	DESCRIPTION	
MCI/302C	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY PHOTSENSITIVE DRUGS WITH FLOW REGULATOR	50
MCI/302C1	SET PREP. AND ADMINISTRATION OF CHEMOTHERAPY PHOTSENSITIVE DRUGS WITH FLOW REGULATOR AND N.R.V.	50


CODES AND CHARACTERISTICS

RECONSTITUTION AND DILUTION DEVICES


MICRO SPIKE

CODE	TYPE	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/302M	2 WAY- AIR FILTER 3 µm	No	Yes	200

BIG SPIKE

CODE	TYPE	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/305E	2 WAY- AIR FILTER 3 µm	No	Yes	200
MCI/304V	2 WAY- AIR FILTER 3 µm	15 µm	Yes	200
MCI/301T	2 WAY W. 1 WAY VALVE	No	Yes	200

VIAL ADAPTER 13MM WITH AIR FILTER 3 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304T	2 WAY- AIR FILTER 3 µm	13 mm	No	Yes	200


VIAL ADAPTER 20MM WITH AIR FILTER 3 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304S	2 WAY- AIR FILTER 3 µm	20 mm	No	Yes	200

SMALL SPIKE WITH SAFETY HOOKING

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304G	2 WAY- AIR FILTER 0,2 µm	20 mm	No	Yes	100
MCI/304I	2 WAY- AIR FILTER 0,2 µm	20 mm	5 µm (GREEN)	Yes	100
MCI/304L	2 WAY- AIR FILTER 0,2 µm	20 mm	15 µm (BLUE)	Yes	100

VIAL ADAPTER 13MM WITH AIR FILTER 0,2 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304E	2 WAY- AIR FILTER 0,2 µm	13 mm	No	Yes	100


VIAL ADAPTER 20MM WITH AIR FILTER 0,2 µm

CODE	TYPE	BOTTLE DIAMETER	LIQUIDS FILTER	MULTI-DRAW VALVE	
MCI/304D	2 WAY- AIR FILTER 0,2 µm	20 mm	No	Yes	100

CODES AND CHARACTERISTICS

PUMP ADAPTERS

ADAPTERS IN PVC DEHP FREE


CODE	WAY WITH N.R.V.	SPIKE	CONNECTIONS	
MCI/350A	2	2 WAYS - AIR FILTER 1,2 µm	SPIKE MEMBRANE	50
MCI/350B	4	2 WAYS - AIR FILTER 1,2 µm	SPIKE MEMBRANE	50

ADATTATORI IN PVC DEHP FREE PER FARMACI FOTOSENSIBILI

CODE	WAY WITH N.R.V.	SPIKE	CONNECTIONS	
MCI/350AA	2	2 WAYS - AIR FILTER 1,2 µm	SPIKE MEMBRANE	50
MCI/350BA	4	2 WAYS - AIR FILTER 1,2 µm	SPIKE MEMBRANE	50


EXTENSION SET

EXTENSION SET IN PU (POLYURETHANE) WITH STOPCOCK AND SELF-SEALING VALVE


CODE	WAY WITH N.R.V.	Ø I.D/O.D.	LENGTH	CONNECTIONS	
MCI/304N	1	Ø2,9X4,1	10	3 WAY STOPCOCK WITH N.L.N. AND N.R.V.	100

ACCESSORIES

CLOSED CIRCUIT MALE LUER LOCK

CODE	CONNECTIONS	FILLING VOLUME	RESIDUAL VOLUME	
MCI/720D	L.L.M - L.L.F.	0,1ml	0 ml	500

SELF-SEALING VALVE NEEDLELESS

CODE	CONNECTIONS	MATERIALS	
MCI/720.2C	L.L.M	ABS SILICON POLYCARBONATE	500

ONCOLOGY



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