



Value Life

ONCOLOGY



The high security  
connection for systemic  
anti-cancer therapy



# Stay safe with Qimono

It is widely documented that exposure to Systemic Anti-Cancer Therapy (SACT), can pose a significant health risk to patients during treatment as well as healthcare workers involved in the preparation and administration of the drugs<sup>1</sup>.

Many SACT agents are known to be carcinogenic, teratogenic and mutagenic.

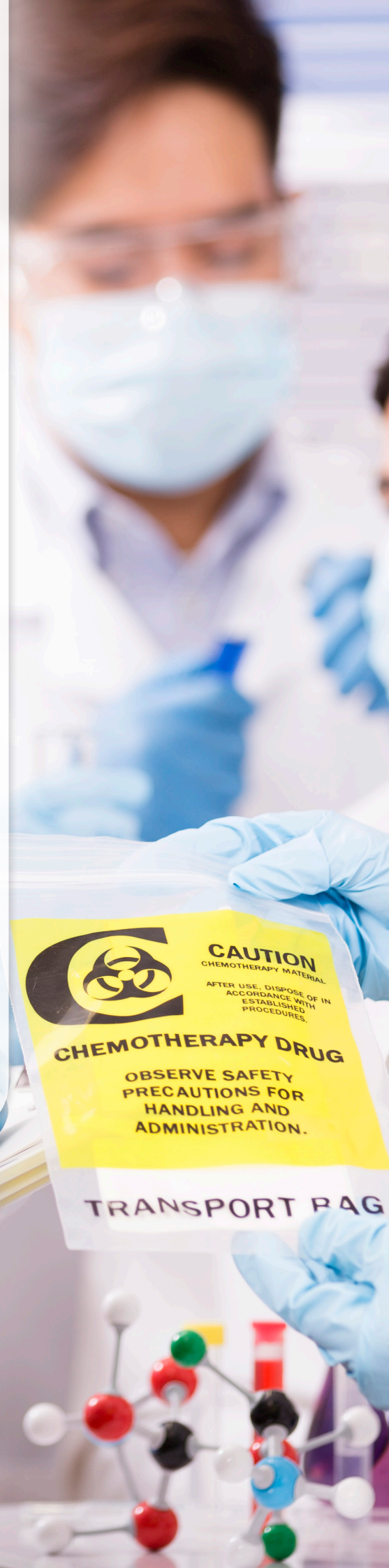
Exposure may be through skin contact, skin absorption, inhalation of aerosols and drug particles as well as ingestion and needlestick injuries. This can occur at various points of the treatment process: during the preparation of the medication, whilst the drugs are administered and after therapy<sup>2</sup>.

Adverse health effects reported by chemotherapy nurses include headaches, dizziness, nausea and hair loss<sup>3</sup>.

## Closed systems to minimise the risk

In the COSHH Regulations 2002, cytotoxic drugs are defined as hazardous substances.

The 2015 guidance issued by the Health and Safety Executive (HSE) to minimise the risk to clinicians prioritises the use of totally enclosed systems where reasonably practicable<sup>2</sup>.



# The seven key benefits of Qimono

Qimono is a totally closed system drug transfer device specifically designed to be safe and easy to use by pharmacists and nurses.

The seven key features ensure there are secure connections in place for the preparation, transfer and infusion of medication to protect clinicians throughout the delivery of chemotherapy to patients.



## 1 Luer bayonet provides connections without screwing

- Eliminates the problems linked to the clamping force applied on medical devices
- Reduces the risk of repetitive strain injury for users
- Removes the likelihood of over, or under tightening.

## 2 Connectable to standard Luer devices

- Connects easily to standard devices such as syringes and extension lines.

## 3 The two tube design of the internal mechanism provides a direct fluid pathway

- Easy withdrawals and injections
- Allows effective flushing
- Limits ward pump alarms.

## 4 Chemical resistant materials

- Avoids medical devices cracking.

## 5 Valves automatically close on disconnection ensuring a barrier against toxic drugs and bacteria

- Protects users from chemical contamination
- Shields drugs from bacterial contamination.

## 6 Flat membranes mean the easy disinfection of both male ♂ and female ♀ hubs



- Makes it simple to disconnect and connect devices when needed.

## 7 A complete range of devices for the preparation, transfer and infusion of medication focuses on safety from start to finish




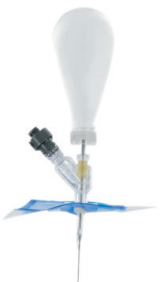
- Makes all handling of cytotoxic drugs safe
- Guarantees that all devices are compatible.

# Preparation devices for medications/solutions


## Bag spikes

Vygon code	Image	Description	Indication	Quantity box/case
7218.01		Qimospike B is an IV fluid bag access spike fitted with Qimo female ♀.	Aspiration or addition of medication/fluid from/into an IV fluid bag.	50/600
7218.11		Qimospike B valve is an IV fluid bag access spike fitted with Qimo female ♀ and non-return valve.	Aspiration only from an IV fluid bag, thus avoiding the accidental contamination of the IV solution.	25/450

## Vial




Vygon code	Size	Image	Description	Indication	Quantity box/case
7219.01	ø14		Qimocap is a vial access cap fitted with Qimo female ♀. It has been specifically designed to create a permanent connection with the medication vial.	Withdrawal and reconstitution of small volumes of medication in completely closed environment.	50/900
7219.010*					4/72
7219.02	ø20		Qimocap is a vial access cap fitted with Qimo female ♀. It has been specifically designed to create a permanent connection with the medication vial.	Withdrawal and reconstitution of small volumes of medication in completely closed environment.	25/450
7219.020*					4/48
7217.04	-		Qimospike V is a vented spike for vials fitted with Qimo female ♀.	Repeated withdrawals from every type of vial.	25/300
7217.040*	-				4/48
7213.02	-		Qimoharpoon is a closed system transfer device that has an air-intake tube connected to a 50ml balloon filled with sterile air which ensures pressure equalisation.	Withdrawal and reconstitution of high-risk medications.	10/80
7213.01	-				

## Syringe


Vygon code	Image	Description	Indication	Quantity box/case
7210.91		Qimo male ♂ is a disinfectable closed needle-free safety connector. It is a safety captive adaptor for male Luer-lock hubs. Once attached, it cannot be disconnected. It connects only to Qimo female ♀.	To secure syringes used for medication preparation.	50/900
7210.910*				4/72

# Transfer devices for medications/solutions


## IV fluid bag extension sets

Vygon code	Image	Description	Indication	Quantity box/case
7221.01		IV fluid bag extension set with a lateral injection site fitted with Qimo female ♀.	Dilution and administration of all kind of medications.	25/150
7221.020*		Qimo male ♂ secures the distal end of the extension tube.		10/60
7221.011		IV fluid bag extension set with 0.2µm filter and lateral injection site fitted with Qimo female ♀.	Dilution and administration of solutions which need to be filtered (e.g. Paclitaxel).	25/150
7221.0110*		Qimo male ♂ secures the distal end of the extension tube.		10/60
7221.012		IV fluid bag extension set with air-venting filter and lateral injection site fitted with Qimo female ♀.	Dilution and preparation of foaming solutions, in order to remove the maximum volume of air bubbles (e.g. Docetaxel).	25/150
7221.0120		Qimo male ♂ secures the distal end of the extension tube.		10/60







## Female Luer-lock connector

Vygon code	Image	Description	Indication	Quantity box/case
7220.01		Female Luer-lock to female Luer-lock connector; with Qimo female ♀ on both ends of the connector.	To transfer medications from syringe to syringe.	50/600



## Elastomeric pump

Vygon code	Image	Description	Indication	Quantity box/case
7210.04		Set with Qimoprime, Qimo male ♂ and Qimo female ♀ in the same packaging.	Can be used to secure the injection site of the elastomeric pump and the distal end of its tubing, but other applications are possible.	50/600

# Infusion devices

Vygon code	Image	Description	Indication	Quantity box/case
7227.101		Qimopump is a safe adaptor for pump infusion sets. This device is fitted with 1, 2 or 4 Qimo female ♀ connectors, a spike with an air-venting port (with a cap) and a universal tube to connect to dedicated pump sets.	To secure the dedicated pump infusion sets and connect the bag containing medication in a safe manner.	
7227.201				
7227.401				
7229.101		Intravenous infusion device with spike and drip chamber. It is fitted with 1, 2 or 4 Qimo female ♀ and Qimo male ♂ to attach to the standard male Luer-lock port at the distal end of Qimo IV set. Qimoprime allows the priming of the line once Qimo male ♂ has been attached.	To safely infuse medications by gravity or with universal pumps.	25/150
7229.201				
7229.401				
7229.102				
7229.202				
7229.402				
7221.02		IV fluid bag extension tube with a lateral injection site fitted with Qimo female ♀ and an air-venting port (with a cap).	Preparation and administration of non-toxic drugs (premedication such as anti-emetics, corticoids, etc.)	
7210.01		Set supplied with Qimo male ♂ and Qimoprime in the same packaging.	To secure both the male Luer-lock and the female Luer-lock end of infusion devices.	50/600
7231.221		Qimooctopus is a safe double-lumen IV extension tube allowing continuous infusion, intermittent injection and blood sampling. Its lateral line is fitted with Qimo female ♀.  Qimo male ♂ has to be attached to the distal end of Qimooctopus. Qimoprime allows the priming of the line once Qimo male ♂ has been attached.	Safe emergency access. Easy direct injection with a syringe close to the patient.	50/300

# Vascular access for patients

Vygon code	Image	Description	Quantity box/case
7242.720		Qimoperfusafe is a safety infusion set with Huber needle fitted with a Qimo female ♀ for the access of implantable ports.	10/90
7242.725			
7242.920			
7242.925			
7210.02		Qimo female ♀ is a multi-purpose, closed, needle-free and disinfectable safety connector.	50/1800



## Implement Qimono today

Contact us today to see how Qimono can help your Oncology Team prepare, transfer and infuse chemotherapy drugs safely.

Call **01793 748830** or email [marketing@vygon.co.uk](mailto:marketing@vygon.co.uk)

## References

1. Simons A, Toland S (2015) Closed systems for drug delivery; a necessity, not an option British Journal of Nursing, (IV Therapy Supplement), Vol 24, No 14
2. Safe Handling of Cytotoxic Drugs in the Workplace, HSE 2015
3. Simons A, Toland S (2017) Perceived adverse effects from handling systemic anti-cancer therapy agents British Journal of Nursing, (IV Therapy Supplement), Vol 26, No 16

## Further reading

- 1 Preventing Occupational Exposures to Antineoplastic and other Hazardous Drugs in Health Care Settings, National Institute for Occupational Safety and Health (NIOSH), September 2004
- 2 ISOPP Standards of Practice: safe handling of cytotoxics - Section 7 Medical devices, International Society of Oncology Pharmacy Practitioners (ISOPP), J Oncol Pharm Pract, 2007.
- 3 Infusion Nurses Standards of Practice, Page S32, section 27, Practice Criteria A, The Infusion Nurses Society (INS), 2011.
- 4 Choosing the best design for Intravenous needle-free connectors to prevent bloodstream infections, William R, Jarvis, MD, Infection Control Today, 28th July 2010.
- 5 Combattre les TMS par l'ergonomie, Florence Martinache, Industrie Pharma magazine. 1st May 2012.
- 6 Troubles Musculo-squelettiques : analyse critique des équipements hospitaliers, I. Juret, V. Josselin, S. Moisan, Chinon (CHU Angers, France), Section 3.2, p.45.
- 7 Efficacy of the Valve Systems of Needle-Free Closed Connectors, report 67-08-A, The Health Protection Agency UK, 21 May 2009.
- 8 An evaluation of Bionector Microbial Integrity, report 65-07, The Health Protection Agency UK, 28th November 2007.
- 9 Validation of the Manual Disinfection Procedure after multiple handling, NAMSA, report 178835, 28th February 2014.
- 10 Chemical resistant connection - WP3 QIMO, Vygon SA, December 2015.
- 11 Qimo male ♀ Luer compatibility - WP2 QIMO, Vygon SA, December 2015.
- 12 Qimono closed system - WP4 QIMO, Vygon SA, December 2015.

## For further information, please contact: [vygon@vygon.co.uk](mailto:vygon@vygon.co.uk)

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