

Information for Clinical Choice

Urine Meters – Urology and Bowel Framework

Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist Clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain.

The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review conducted by the clinical team in NHS Supply chain with support from clinical stakeholders from across the NHS as part of our assurance process.

The aim is to provide features and functions of products against defined criteria, enabling informed choice, right product for the right patient in the right setting, optimising product use and delivery savings to the NHS.

Urine Meters

Urine Meters sometimes referred to as Urometers, are designed to enable accurate, close monitoring of urine output. Meters are designed to enable clinicians to record urine output over a given time interval, by capturing urine in a volumetric chamber which has marked volume graduations. The volumetric chamber is then reset, by draining the urine from this chamber to its attached urine bag, in preparation for the next measurement. This is managed without opening the closed catheter drainage system, reducing the risk of contamination.


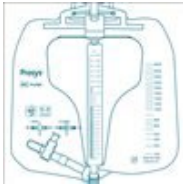


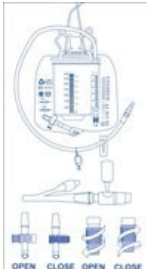
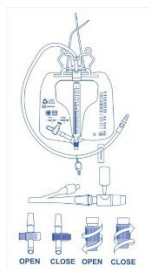
Urine meters are primarily used with post-operative or critically ill patients, where precise monitoring of urine output is necessary. The size, style and mechanism of urine transfer and drainage can vary between different manufacturers and products on the market. Most commonly volumetric chambers hold between 200-500ml, with the attached urine bag holding between 2000-3000ml. The two most familiar product types are front mounted tilt chambers where tilting the volumetric chamber empties the content into the urine bag, or the top mounted twist method, where turning a dial enables urine to drain from the upper chamber into the bag below. The urine bag is emptied before reaching maximum capacity, most commonly this is with a T-tap to enable drainage.

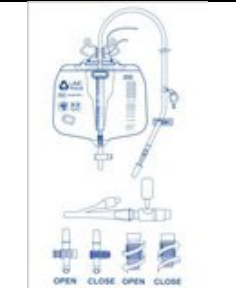




All urine meters are provided sterile, have a tubing clamp and needle free sample point to aid in obtaining a urine specimen, are free of metal and latex and are suitable for seven days use.






There is product variation in relation to the presence of a non-return valve between the patient and the chamber, and the style of bed fixation such as hook, cord or straps.







In addition, most urine meters have design features that prevent the tap from contact with external surfaces such as the floor through a slit in the edge of the bag or housing for the drainage point to clip into, have an antikink tubing mechanism at the entry to the chamber, and a bedding clip to prevent looping of the tubing and stasis of urine.







These factors are listed in the matrices below to aid in clinical decision making. Products have been separated by style and listed as either front tilt or top twist indicating the position of the chamber and type of emptying.

Supplier	BD	CLINISUPPLIES	CLINISUPPLIES	LINC	LINC	LINC
MPC	153204	PU500	P400	LM500UMS-L	LM400UMS-L	LM510UMS-L
NPC	FWV040	FWV191	FWV050	FUW85085	FUW85078	FUW85077
Description	350ml 2500ml bag 150cm tube EZ lock needle free sample port 5-7 days- Latex Free contains a metal clip	500ml 2600ml bag 150cm tube T- tap Needle free sampling port Kink resistant tubing Bed hanger	400ml 2600ml bag 150cm tube T tap Needle free sampling port Kink resistant tubing	500ml 2600ml bag Front mounted Needle-free port	400ml 2600ml bag Tilt empty T-tap 150cm Needle-free port	500ml 2600ml bag Tilt empty T-tap 150cm Needle-free port
Picture						
Style	Front Tilt	Front Tilt	Front Tilt	Front Tilt	Front Tilt	Front Tilt
Chamber Volume	350ml	500ml	400ml	500ml	400ml	500ml
Bag Volume	2500ml	2600ml	2600ml	2600ml	2600ml	2600ml
Tube Length	150cm	150cm	150cm	150cm	150cm	150cm
Non-Return Valve to Patient	No	Yes	No	Yes	No	Yes
Needle Free Sampling	Yes	Yes	Yes	Yes	Yes	Yes
Bed Fixation Style	Hanger/Cord	Hanger	Hanger	Hanger/Cord	Hanger/Cord	Hanger/Cord
Tap Type	Plastic control clip	T tap	T tap	T tap	T tap	T tap
Tap Hook - Housed or Tuck	Housed	Housed	Housed	Housed	Housed	Housed
Fully Assembled	Yes	Yes	Yes	Yes	Yes	Yes
Bedding Clip	Yes	Yes	Yes	Yes	Yes	Yes

Supplier	LINC	MEDIQ	MEDIQ	MEDLINE	MEDLINE
MPC	LM200UMS-L	UN1018-250	UN1018-500	690343-N	690313-N
NPC	FUW85086	FUW85015	FUW85016	FUW85114	FUW85003
Description	200ml 2000ml bag Tilt empty T-tap 150cm Needle-free port	250ml measuring chamber Lever Tap and Needle-Free Sample Port	500ml 2000ml bag Tap empty Lever Tap 120cm tube Needle free port	200ml 2000ml bag Tilt empty T tap 120cm Needle free port	500ml Single Chamber Urine Meter 2600ml bag 150cm tube with needle free sampling port Non- returnable
Picture					
Style	Front Tilt	Front Tilt	Front Tilt	Front Tilt	Front Tilt
Chamber Volume	200ml	250 ml	500ml	200ml	500ml
Bag Volume	2000ml	2000ml	2000ml	2000ml	2600ml
Tube Length	150cm	150cm	120cm	120cm	150cm
Non-Return Valve to Patient	No	No	No	Yes	Yes
Needle Free Sampling	Yes	Yes	Yes	Yes	Yes
Bed Fixation Style	Hanger/Cord	Hanger	Hanger	Hanger/Cord	Hanger/Cord
Tap Type	T tap	Lever	Lever	T tap	T tap
Tap Hook - Housed or Tuck	Housed	Housed	Housed	Housed	Housed
Fully Assembled	Yes	Yes	Yes	Yes	Yes
Bedding Clip	Yes	No	No	Yes	Yes

Supplier	PARAMOUNT	ROCIALLE	SINAPI	UNOQUIP	UNOQUIP
MPC	GC051E11	GC051E11	SUM500V2	25001180	25012180
NPC	FUW85074	FUW85011	FUW85009	FUW85033	FUW85056
Description	500ml 2600ml bag 150cm tube needle free sampling port	500ml 2600ml bag	500ml 2000ml PVC- Free bag Germ Guard rotational tap needle free sampling port	500ml 2600ml bag 110cm tube T-tap Needle free sampling port Non-Return Valve Kink resistant tubing Bed hanger DEHP/Phthalate-free Latex Free Metal Free	500ml 2600ml bag 150cm tube T- tap Needle free sampling port Non-Return Valve Kink resistant tubing Bed hanger DEHP/Phthalate-free Latex Free Metal Free
Picture					
Style	Front Tilt	Front Tilt	Front Tilt	Front Tilt	Front Tilt
Chamber Volume	500ml	500ml	500ml	500ml	500ml
Bag Volume	2600ml	2600ml	2000ml	2600ml	2600ml
Tube Length	150cm	150cm	160cm	110cm	150cm
Non-Return Valve to Patient	Yes	Yes	Yes	Yes	Yes
Needle Free Sampling	Yes	Yes	Yes	Yes	Yes
Bed Fixation Style	Hanger/Cord	Hanger/Cord	Hanger	Hanger/Cord	Hanger/Cord
Tap Type	T tap	T tap	Rotational	T tap	T tap
Tap Hook - Housed or Tuck	Housed	Housed	No	Housed	Housed
Fully Assembled	Yes	Yes	Yes	Yes	Yes
Bedding Clip	Yes	Yes	Yes	Yes	Yes

Supplier	C&P	C&P	CLINISUPPLIES	FLEXICARE	GBUK	LINC
MPC	25039742	25104742	PU500S	00-1227	227 1051 1	LM800UMS-L
NPC	FUW85012	FUW85013	FUW85008	GDW206	FUW85001	FUW85081
Description	2000ml Non return valve Straps and round hook 110 cm tube	2000ml Non return valve Straps and round hook 150 cm tube	500ml 2000ml bag with NRV slide tap and integrated bed hanger and straps	500ml 2000ml bag 150cm tube Lever tap Needle free sampling port Star lumen tubing Hanger straps - Latex Free	500ml 2000ml bag 150cm tube T tap Needle free sampling port Sterile	500ml 2000ml bag Tilt empty T-tap 150cm Needle-free port
Picture						
Style	Top Mounted	Top Mounted	Top Mounted	Top Mounted	Top Mounted	Top Mounted
Chamber Volume	500ml	500ml	500ml	500ml	500ml	500ml
Bag Volume	2000ml	2000ml	2000ml	2000ml	2000ml	2000ml
Tube Length	110cm	150cm	150cm	150cm	150cm	150cm
Non-Return Valve to Patient	Yes	Yes	Yes	Yes	No	Yes
Needle Free Sampling	Yes	Yes	Yes	Yes	Yes	Yes
Bed Fixation Style	Hanger/Strap	Hanger/Strap	Hanger/Strap	Hanger/Strap	Straps	Hanger/Strap /Cord
Tap Type	T tap	T tap	T tap	Lever	T tap	T tap
Tap Hook - Housed or Tuck	Tuck	Tuck	Tuck	Housed	Tuck	Housed
Fully Assembled	No - Hanger	No - Hanger	Yes	Yes	Yes	Yes
Bedding Clip	Yes	Yes	Yes	No	No	Yes

Supplier	MEDLINE	TELEFLEX	UNOQUIP	UNOQUIP	UNOQUIP	UNOQUIP
MPC	690500-N	673082-000000	15810041	15810121	15910121	15810131
NPC	FUW85116	FUW076	FUW85065	FUW85058	FUW85066	FUW85057
Description	500ml 2000ml bag Tap empty T tap 150cm Needlefree port	500ml 2000ml bag 120cm tube T tap Needle free sampling port Non-reflux valve Hanger straps	500ml 2000ml bag Top-mounted 110cm tube T- tap Needle free sampling port 2 Non Return Valves VentFlow Clamp Hanger straps DEHP/Phthalate-free Latex Free Metal Free	500ml 2000ml bag Top-mounted 150cm tube T- tap Needle free sampling port 2 Non Return Valves VentFlow Clamp Hanger straps DEHP/Phthalate-free Latex Free Metal Free	500ml 2000ml bag Top-mounted 150cm tube T- tap Needle free sampling port 2 Non Return Valves VentFlow Clamp Hanger straps DEHP/Phthalate-free Latex Free Metal Free Round hook	500ml 2000ml bag Top-mounted 200cm tube T- tap Needle free sampling port 2 Non Return Valves VentFlow Clamp Hanger straps DEHP/Phthalate-free Latex Free Metal Free
Picture						
Style	Top Mounted	Top Mounted	Top Mounted	Top Mounted	Top Mounted	Top Mounted
Chamber Volume	500ml	500ml	500ml	500ml	500ml	500ml
Bag Volume	2000ml	2000ml	2000ml	2000ml	2000ml	2000ml
Tube Length	150cm	120cm	110cm	150cm	150cm	200cm
Non-Return Valve to Patient	Yes	Yes	Yes	Yes	Yes	Yes
Needle Free Sampling	Yes	Yes	Yes	Yes	Yes	Yes
Bed Fixation Style	Strap/Cord	Straps	Straps	Straps	Hanger/Straps	Straps
Tap Type	T tap	T tap	T tap	T tap	T tap	T tap
Tap Hook - Housed or Tuck	Housed	Tuck	Tuck	Tuck	Tuck	Tuck
Fully Assembled	Yes	No - Bag	Yes	Yes	No - Hanger	Yes
Bedding Clip	Yes	Yes	Yes	Yes	Yes	Yes

References:

If you have any questions, would like further information, or have feedback to share, please contact:

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