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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.

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| 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 | FWV040 | FWV191 | FWV050 | FUW85085 | FUW85078 | FUW85077 |
| 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 |

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| **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 | FUW85086 | FUW85015 | FUW85016 | FUW85114 | FUW85003 |
| 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 |

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| **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 | FUW85074 | FUW85011 | FUW85009 | FUW85033 | FUW85056 |
| 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 |

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| **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 | FUW85012 | FUW85013 | FUW85008 | GDW206 | FUW85001 | FUW85081 |
| 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 |

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| **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 | FUW85116 | FUW076 | FUW85065 | FUW85058 | FUW85066 | FUW85057 |
| 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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