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Urine collection systems

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry and the Minister of Health and Welfare, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1995-10-01

Date of Reaffirmation: 2003-05-20

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Urine collection systems

1 Scope This Japanese Industrial Standard defines urine collection systems for adult males with urinary disturbance (hereafter referred to as "urine collection systems").

Remark 1 Normative references of this Standard are as follows:

JIS K 6251 *Tensile testing methods for vulacanized rubber*

JIS K 6252 *Tear testing methods for vulacanized rubber*

JIS K 6257 *Accelerated aging test methods for vulacanized rubber*

JIS K 6381 *Natural rubber latex*

2 The units and numerical values given in { } in this Standard are based on the traditional unit system and are appended for information.

2 Definitions of terms Definitions of main terms used in this standard are as follows:

(1) **urine collection system** an orthosis such as urine-collection bag to accumulate urine excreted temporarily and a set of connected systems including fixed parts, urine receptacle part, connection parts, and urine accumulation part

(2) **urine receptacle part** a part which first receives urine excreted from a body. Condom types, including two types of recycle type and disposable type

(3) **fixed part** a part which fixes to prevent the displacement of the body (penis) and the urine receptacle part and peeling

(4) **belt-fixation type** a system used with urine collection systems to fix the waist by a band or belt

(5) **penis fixation type** a system used with urine collection systems to fix the urine receptacle part by the penis

(6) **pants fixation type** a system used with urine collection systems to fix the body by pants

(7) **adhesive tape** in instrument to fix the body and urine receptacle part and prevent its slipping out

(8) **connection part** a part connecting the urine receptacle part and urine collector bag, consisting of a connector and a connection tube

(9) **urine accumulation part** a part to accumulate urine temporarily and then drain, consisting of an inlet tube, check valve, urine collector bag, and fixture of the urine collector bag

(10) **inlet tube** a tube through which urine passes to pour into the urine collector bag

(11) **check valve** a valve mechanism to prevent reflux of urine excreted

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(12) **urine collector bag** a bag in which urine is accumulated temporarily. There are two types, including a recycle type and disposable type

(13) **fixture of urine collector bag** an instrument to fix the urine collector bag at the femur and crus

(14) **volume** the maximum volume of an allowable urine collector bag

3 **Types and symbols** Types and symbols shall be as shown in tables 1 and 2.

Table 1 Type of fixed parts

Types	Symbols
Belt fixation type	B
Penis fixation type	PE
Pants fixation type	PA

Table 2 Types of urine collector bags

Unit : ml

Main materials of urine collector bags	Volume	Symbols
Rubber	300 to 1 000 1 000 or more	LAT−S LAT−L
Synthetic resin	300 to 1 000 1 000 or more	PF−S PF−L

4 **Performance**

4.1 **General conditions** General conditions shall be as follows:

(1) The urine receptacle part shall not cause a disturbance at the penile mucosa and urinary leak due to its slipping out of the penis.

(2) The fixation part shall not come off easily at the time of user's position change and shall not cause urinary leak due to its slipping out of the penis.

4.2 **Static strength and durability of the urine collector bag** When the bag is tested for static strength and durability according to clause **9**, the requirements shown in table 3 shall be met.

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