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**Determination of antibacterial activity and
efficacy of water-absorbent polyacrylate
for urine absorbing products**

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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act.

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Determination of antibacterial activity and efficacy of water-absorbent polyacrylate for urine absorbing products

1 Scope

This Japanese Industrial Standard specifies the antibacterial activity test method and antibacterial efficacy requirement for water-absorbent polyacrylate with antibacterial finish used for urine absorbing products.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS K 0950 *Sterilized plastic petri dishes*
- JIS K 0970 *Piston pipettes*
- JIS K 1441 *Ammonium chloride*
- JIS K 3800 *Class II biological safety cabinets*
- JIS K 8150 *Sodium chloride (Reagent)*
- JIS K 8180 *Hydrochloric acid (Reagent)*
- JIS K 8263 *Agar (Reagent)*
- JIS K 8576 *Sodium hydroxide (Reagent)*
- JIS K 8731 *Urea (Reagent)*
- JIS K 9007 *Potassium dihydrogen phosphate (Reagent)*
- JIS K 9017 *Dipotassium hydrogenphosphate (Reagent)*
- JIS K 9020 *Disodium hydrogenphosphate (Reagent)*
- JIS L 0803 *Standard adjacent fabrics for staining of colour fastness test*
- JIS R 3505 *Volumetric glassware*
- JIS Z 2801 *Antibacterial products — Test for antibacterial activity and efficacy*
- JIS Z 8401 *Rounding of numbers*
- JIS Z 8805 *Glass electrodes for measurement of pH*
- ISO 17190-5 *Urine-absorbing aids for incontinence — Test methods for characterizing polymer-based absorbent materials — Part 5 : Gravimetric determination of free swell capacity in saline solution*