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**Antimicrobial products—
Test for antimicrobial activity
and efficacy**

ICS 07.100.10; 11.100

Descriptors : bactericide-activity determination, microbiological-resistance tests,
biological hazards, culture techniques

Reference number : JIS Z 2801 : 2000 (E)

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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 through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

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Antimicrobial products— Test for antimicrobial activity and efficacy

Introduction This Japanese Industrial Standard has been prepared for standardizing the method for evaluating antimicrobial efficacy in antimicrobial products shown in the report of the Meeting on Life-Related Processed Products with New Functions (Antimicrobial Products): December 1998 (so-called “Guidelines for Antimicrobial Products”). This standard specifies the antimicrobial efficacy, a part of the performance considered to be important for antimicrobial products, and the testing methods. Other information considered to be important for antimicrobial products including safety, duration of antimicrobial efficacy, and marking on the product shall be referred to in the “Guidelines for Antimicrobial Products”.

1 Scope This Standard specifies the testing methods to evaluate antimicrobial activity and antimicrobial efficacy on bacteria on the surface of antimicrobial products (including intermediate products).

Remarks : The secondary effects of antimicrobial efficacy, such as being anti-fungal and deodorizing efficacy, shall not be included in this Standard.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below (including amendments) shall be applied.

JIS K 0950 *Sterilized plastic petri dishes*

JIS K 0970 *Piston operated micro-volumetric apparatus*

JIS K 3800 *Class II biological safety cabinets*

JIS K 8101 *Ethanol (99.5)*

JIS K 8150 *Sodium chloride*

JIS K 8180 *Hydrochloric acid*

JIS K 8263 *Agar*

JIS K 8576 *Sodium hydroxide*

JIS K 9007 *Potassium dihydrogenphosphate*

JIS K 9017 *Dipotassium hydrogenphosphate*

JIS L 1902 *Testing method for antibacterial of textiles*

JIS R 3505 *Volumetric glassware*

3 Definitions The definitions of the main terms used in this Standard are as follows:

- a) **antimicrobial** The condition inhibiting the growth of bacteria on the surface of products.