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Piston pipettes

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Measuring Instruments Federation (JMIF)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS K 0970** : 1989 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Piston pipettes

Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 8655-2** and **ISO 8655-6** published in 2002, but modifying some of their technical contents to reflect the actual usage of the product in the Japanese market.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the air-displacement and direct-displacement single-channel and multi-channel piston pipettes, designed as a volumetric apparatus to draw up and deliver their specified nominal volume. It is not applicable to piston burettes, piston diluters, piston dispensers, volumetric pipettes, measuring pipettes and micro syringes.

NOTE : The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8655-2 : 2002 *Piston-operated volumetric apparatus — Part 2 : Piston pipettes*

ISO 8655-6 : 2002 *Piston-operated volumetric apparatus — Part 6 : Gravimetric methods for the determination of measurement error* (Overall evaluation : MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

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

JIS K 0211 *Technical terms for analytical chemistry (General part)*

JIS Z 8103 *Glossary of terms used in measurement*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS K 0211** and **JIS Z 8103**, and the following apply.

3.1 nominal volume

volume specified by the manufacturer, and the greatest volume selectable for varia-