

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

④ JIS R 3703 : 1998

Slide glasses for microscope

ICS 37.020; 81.040.30

Descriptors : microscope slides, optical glass, microscopes

Reference number : JIS R 3703 : 1998 (E)

R 3703 : 1998

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS R 3703:1980** is replaced with **JIS R 3703:1998**.

Date of Establishment: 1957-10-30

Date of Revision: 1998-01-20

Date of Public Notice in Official Gazette: 1998-01-20

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Ceramics

JIS R 3703:1998, First English edition published in 1999-03

Translated and published by: Japanese Standards Association
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In the event of any doubts arising as to the contents,
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Printed in Japan

Slide glasses for microscopes

Introduction This Japanese Industrial Standard was made on the basis of **ISO 8037-1 Optics and optical instruments — Microscopes — Slides — Part 1 : Dimensions, optical properties and marking** published in 1986 as the first edition and **ISO/DIS 8037-2 Optics and optical instruments — Microscopes — Slides — Part 2 : Quality of material, standards of finish and mode of packaging**, without changing technical contents with the exception that some contents laid down in the conventional Japanese Industrial Standard such as a part of item of performance, shape, dimension and dimensional tolerance were given additionally.

1 Scope This Japanese Industrial Standard specifies slide glasses for use in the visible spectrum range in slide glasses for microscope (hereafter referred to as "slide glass").

Remarks : The visible spectrum said here is the light of 400 nm to 760 nm in wavelength.

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this Standard.

JIS B 0610 *Definitions and designation of surface waviness*

JIS B 0651 *Surface texture — Instruments for the assessment of surface texture — Profile method*

ISO 11455:1995 *Raw optical glass — Determination of birefringence*

3 Type The classification according to types shall be as follows :

- a) standard type ;
- b) large type ;
- c) polarizing type.

4 Dimension, tolerance and refractive index

4.1 Length and width The length and width shall be as given in Table 1.

Table 1 Length and width

Unit : mm

Type	Length	Tolerance	Width	Tolerance	Use (information only)
Standard type	76.0	0 -1 or ± 0.5 (1)	26.0	0 -1 or ± 0.5 (1)	Mainly for biological microscope
Large type	76.0		39.0		
			52.0		
Polarizing type	48.0		28.0		Mainly for polarization microscope
	45.0		26.0		

Note ⁽¹⁾ This tolerance may be used until the end of March, 1999.