

चिकित्सा प्रयोगशाला हेतु काँच का
सामान — शंक्वाकार मूत्र ग्लास — विशिष्टि
(पहला पुनरीक्षण)

Medical Laboratory Glassware —
Conical Urine Glass — Specification
(First Revision)

ICS 71.040.20

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भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110002
www.bis.gov.in www.standardsbis.in

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards after the draft finalized by the Medical Laboratory Instruments Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This standard was first published in 1968 with the title 'Specification for urine glass, conical'. This revision has been brought out to align the cross-references to the latest editions.

The composition of the Committee responsible for the formulation of this standard is given in [Annex A](#).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

*Indian Standard***MEDICAL LABORATORY GLASSWARE — CONICAL URINE GLASS — SPECIFICATION***(First Revision)***1 SCOPE**

This standard specifies the requirements for conical urine glass used in pathology work.

2 REFERENCES

The standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of these standards:

<i>IS No.</i>	<i>Title</i>
IS 1382 : 1981	Glossary of terms relating to glass and glassware (<i>first revision</i>)
IS 2303 (Part 1/ Sec 2) : 2021/ ISO 720 : 2020	Grading glass for alkalinity: Part 1 Hydrolytic resistance of glass grains, Section 2 Determination and classification of hydrolytic resistance at 121 °C (<i>third revision</i>)

3 TERMINOLOGY

For the purpose of this standard, the definitions given in IS 1382 shall apply.

4 MATERIAL

4.1 The urine glass shall be made from clear, neutral glass.

4.2 The glass shall pass the alkalinity test prescribed in IS 2303 (Part 1/Sec 2) for Class HGA-1.

5 SHAPE AND DIMENSIONS

The shape and dimensions of the conical urine glass shall be as given in [Fig. 1](#).

6 CAPACITY

The brimful capacity of the urine glass shall be 300 ml to 350 ml.

7 WORKMANSHIP AND FINISH

7.1 The urine glass shall be free from bubbles and, as far as possible, free from striae, stones and other visible defects.

7.2 The contour of the base shall be slightly concave to ensure that the glass shall not rock when placed on a horizontal flat surface. The glass shall be symmetrical about the vertical axis.

7.3 The glass shall not topple over when placed on a plane surface inclined at an angle of 10 degrees to the horizontal. The external edges at the base shall be smooth and uniformly rounded.

7.4 The rim of the glass shall be smooth and uniformly rounded to ensure absence of sharp edges. The spout shall be properly shaped to ensure drip-proof pouring. A rough surface shall be provided on the outer wall, near the top for providing identification numbers during actual usage.

8 MARKING

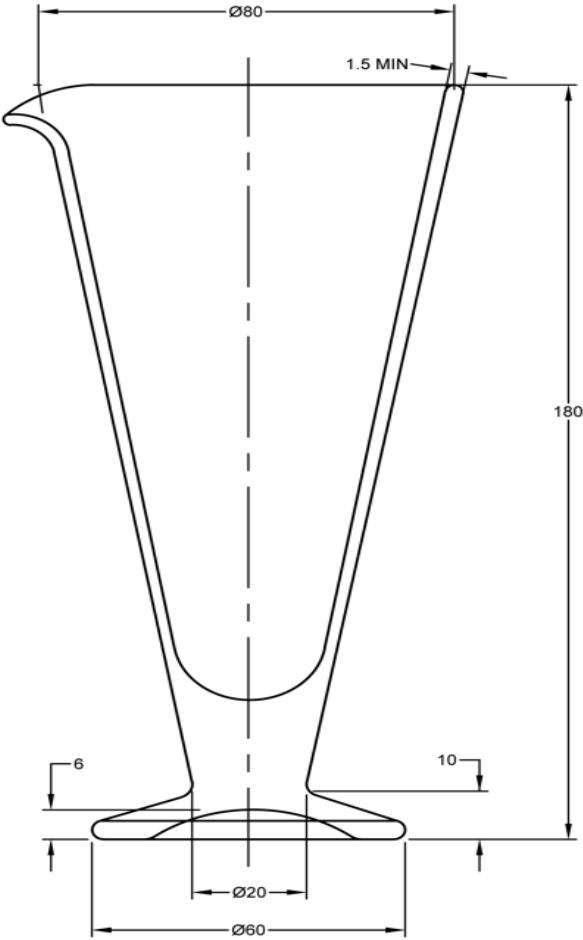
8.1 The urine glass shall be marked with the manufacturer's name, initials or trade-mark and its capacity.

8.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

9 PACKING

Each urine glass shall be wrapped in thin paper and suitably cushioned with straw in a carton, or it may be packed as agreed to between the purchaser and the supplier.



All dimensions in millimetres
FIG. 1 URINE GLASS, CONICAL

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Medical Laboratory Instruments Sectional Committee, MHD 10

<i>Organization</i>	<i>Representative(s)</i>
All India Institute of Medical Sciences, New Delhi	DR SUDIP KUMAR DATTA (Chairperson) DR TUSHAR SEHGAL (<i>Alternate</i>)
Association of Indian Medical Device Industry, New Delhi	SHRI RAKESH JAIN SHRI SHAILESH PATEL (<i>Alternate</i>)
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Borosil Technologies Limited, Pune	SHRI SREEJITH KUMAR P. S. SHRI MAHESH SURVE (<i>Alternate</i>)
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ICMR - National Institute of Immunohaematology, Mumbai	DR BIPIN PRAKASH KULKARNI DR ANINDITA BANERJEE (<i>Alternate</i>)
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<i>Organization</i>	<i>Representative(s)</i>
Ministry of Consumer Affairs, New Delhi	SHRI B. N. DIXIT SHRI RAJ KUMAR (<i>Alternate</i>)
Ministry of Environment Forest and Climate Change, New Delhi	DR SATYENDRA KUMAR SHRI N. SUBRAHMANYAM (<i>Alternate</i>)
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National Institute of Pathology, New Delhi	DR A. K. JAIN
Post Graduate Institute of Medical Education and Research, Chandigarh	SHRI PROF BISHAN DASS RADOTRA SHRI PROF VIVEK LAL (<i>Alternate</i>)
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University College of Medical Sciences and Guru Teg Bahadur Hospital, New Delhi	DR NADEEM TANVEER DR PREETI DEWAKAR (<i>Alternate</i>)
Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi	DR RAJNI DAWAR
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Member Secretary
SHRI PAWAN KUMAR
SCIENTIST 'B'/ASSISTANT DIRECTOR
(MEDICAL EQUIPMENT AND HOSPITAL PLANNING), BIS

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones: 2323 0131, 2323 3375, 2323 9402

Website: www.bis.gov.in

Regional Offices:

	Telephones
Central : 601/A, Konnectus Tower -1, 6 th Floor, DMRC Building, Bhavbhuti Marg, New Delhi 110002	{ 2323 7617
Eastern : 8 th Floor, Plot No 7/7 & 7/8, CP Block, Sector V, Salt Lake, Kolkata, West Bengal 700091	{ 2367 0012 2320 9474
Northern : Plot No. 4-A, Sector 27-B, Madhya Marg, Chandigarh 160019	{ 265 9930
Southern : C.I.T. Campus, IV Cross Road, Taramani, Chennai 600113	{ 2254 1442 2254 1216
Western : Plot No. E-9, Road No.-8, MIDC, Andheri (East), Mumbai 400093	{ 2821 8093

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