

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MHD 10 : Medical Laboratory Instruments

**Scope:** a) To formulate Indian Standards on products used in medical diagnostic laboratories for collection, preparation, handling and processing of human samples. b) Excluding products or equipment generating clinical/diagnostic results and equipment/processes/services specific to biotechnology.

**Liaison:**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10269:2024	Medical Laboratory Glass Apparatus - Haemocytometer - Specification (First Revision)		-	Indigenous
2	IS 10867:2018 ISO 6710 : 2017 Reviewed In : 2024 ISO 6710: 2017	Single - Use containers for human venous blood specimen collection (First Revision)	February, 2024	-	Identical under dual numbering
3	IS 11383:1985 Reviewed In : 2022	Specification for thin walled glass capillary pipettes	December, 2022	-	Indigenous
4	IS 12622:1989 Reviewed In : 2021 Reaffirmed but not taken up for revision	Medical thermometers for hypothermia, subnormal range - Specification	February, 2021	-	Indigenous
5	IS 14284:1995 ISO 7712 Reviewed In : 2021 ISO 7712 : 1983	Laboratory glassware - Disposable pasteur pipettes - Specification	February, 2021	-	Identical under dual numbering
6	IS 18298:2023 ISO 17593 : 2022 ISO 17593 : 2022	Clinical Laboratory Testing and in Vitro Medical Devices Requirements for in Vitro Monitoring Systems for Self-Testing of Oral Anticoagulant Therapy First Revision		-	Identical under dual numbering
7	IS 3055 (Part 1):1994 Reviewed In : 2021	Clinical thermometers: Part 1 solid stem type - Specification (Second Revision)	February, 2021	5	Indigenous
8	IS 3055 (Part 2):2004 Reviewed In : 2019	Clinical thermometers: Part 2 enclosed scale type - Specification (Third Revision)	November, 2019	-	Indigenous
9	IS 3740:2024	Medical Laboratory Glassware Glass Tubes for Pathology Work - Specification First Revision		-	Indigenous
10	IS 3741 (Part 1):1990	Medical instruments sedimentation tubes - Specification: Part 1	February, 2024	-	Indigenous

	Reviewed In : 2024	westergren tube (Second Revision)			
11	IS 3741 (Part 2):1990 Reviewed In : 2021	Medical glass instruments - Sedimentation tubes - Specification: Part 2 wintrobe tube (Second Revision)	February, 2021	-	Indigenous
12	IS 3742:1990 Reviewed In : 2021	Medical glass instruments - Pipettes, dilution for haemocytometers specification (Second Revision)	February, 2021	-	Indigenous
13	IS 4067:1967 Reviewed In : 2022	Specification for tube, swab (West Type), for throat	March, 2022	-	Indigenous
14	IS 4069:2024	Medical Laboratory Glassware - Urinometer - Specification (First Revision)		-	Indigenous
15	IS 4087:2024	Medical Laboratory Glassware Pipette for Haemoglobinometer and Blood Pipette for Biochemical Work - Specification Second Revision		-	Indigenous
16	IS 4364:2024	Medical Laboratory Glassware Serological Pipettes - Specification First Revision		-	Indigenous
17	IS 4381:1967 Reviewed In : 2022	Specification for pathological microscope	March, 2022	3	Indigenous
18	IS 4444:2024	Medical Laboratory Glassware “Bacteriological Bottles” Specification (First Revision)		-	Indigenous
19	IS 4529:1968 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for glass tubes for medical thermometers	January, 2018	-	Indigenous
20	IS 4708:2024	Medical Laboratory Glassware - Conical Urine Glass - Specification (First Revision)		-	Indigenous
21	IS 4754:2024	Medical Laboratory Glassware - Staining Troughs and Jar - Specification ( First Revision )		-	Indigenous
22	IS 5155:1969 Reviewed In : 2024	Specification for pipettes, ostwald - Folin type	January, 2024	-	Indigenous
23	IS 6606:2024	Medical Laboratory Glass Apparatus Esbachs Albuminometer Specification First Revision		-	Indigenous
24	IS 6942:1973 Reviewed In : 2022	Specification for flask, roux, bacteriological, with or without offset neck (1000 MI Nominal Capacity)	March, 2022	-	Indigenous
25	IS 6943:2024	Medical Laboratory Glassware - Cover Glass used with Haemocytometer - Specification (Second Revision)		-	Indigenous
26	IS 6944:1973 Reviewed In : 2022	Specification for bottle, bijou, bacteriological	March, 2022	-	Indigenous
27	IS 7039:1973 Reviewed In : 2022	Specification for tube, culture, screw cap	March, 2022	-	Indigenous
28	IS 7183:1973 Reviewed In : 2022	Specification for flask, culture, haffkine	March, 2022	-	Indigenous
29	IS 8501:1977 Reviewed In : 2022	Specification for anaerobic jar	March, 2022	-	Indigenous

30	IS 9430:1980 Reviewed In : 2022	Specification for tube, haemometer	March, 2022	-	Indigenous
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Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
1	MHD 10 (25172) Revision of: IS 8501:1977	Medical Laboratory Glassware Anaerobic jar - Specification First Revision
2	MHD 10 (25174) Revision of: IS 11383:1985	Medical Laboratory Glassware Thin walled glass capillary pipettes - Specification First Revision
3	MHD 10 (25175)	Medical Laboratory Instrument - Liquid based cytology kit
4	MHD 10 (25176)	Medical Laboratory Instrument - Filter tips for standard pipettes
5	MHD 10 (25177)	Medical Laboratory Instrument - Lab plasticware RNA-work - General Requirements
6	MHD 10 (25178)	Medical Laboratory Instrument - Platelet Incubator with Agitator- General Requirements
7	MHD 10 (25179)	Medical Laboratory Instrument - Anearobic Workstation - General Requirements
8	MHD 10 (26355)	Medical Laboratory Glassware Blood Sedimentation tubes - Specification
9	MHD 10 (26908) Revision of: IS 7183:1973	Medical Laboratory Glassware Flask Culture Haffkine - Specification
10	MHD 10 (28479)	Medical Laboratory Instruments Vortex Mixer Specifications

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
1	MHD 10 (25173) Revision of: IS 9430:1980	Medical Laboratory Glassware Haemometer Tube Specification First Revision

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
1	MHD 10 (25168) Revision of: IS 5155:1969	Medical Laboratory Glassware Ostwald-Folin Type Pipettes Specification First Revision
2	MHD 10 (25169) Revision of: IS 6942:1973	Medical Laboratory Glassware Roux Bacteriological Flask - Specification First Revision
3	MHD 10 (25170) Revision of: IS 6944:1973	Medical Laboratory Glassware Bijou bacteriological bottle - Specification First Revision
4	MHD 10 (25171) Revision of: IS 7039:1973	Medical Laboratory Glassware Culture tube with screw cap - Specification First Revision

Total Published Standards:29	Total Standards Under development:15
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## Aspect Wise Report

Product : 29  
 Code of Practices : 1  
 Methods of Test : 0  
 Terminology : 0  
 Dimensions : 0  
 System Standard : 0  
 Safety Standard : 0  
 Others : 0  
 Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10916:1984 Reviewed In : 2022	Specification for evacuated tubes for blood specimen - Collection Vacutainers
2	IS/ISO 17593:2007 ISO 17593:2007 IS/IEC 60695-1-10:2016	Clinical laboratory testing and in vitro medical devices - Requirements for in vitro monitoring systems for self-testing of oral anticoagulant therapy
3	IS 3238:1965	Dimensions for hypodermic syringes interchangeable type
4	IS 4557:1968 Reviewed In : 2006	Appliances office flat adjustable for artificial limbs
5	IS 4608:1968	Brush-holding device for artificial limbs
6	IS 4612:1968	C-hook terminal device spring loaded for artificial limbs
7	IS 4657:1968	Ring Device For Artificial Limbs
8	IS 4676:1968	Workshop-tool-holding device for artificial limbs
9	IS 4678:1967	Universal device for artificial limbs
10	IS 5013:1969	Tooth-Brush-holding terminal device for artificial limbs
11	IS 5014:1969	Telephone-receiver-holding device for artificial limbs
12	IS 5016:1968	Safety Razor Holding Device For Artificial Limbs
13	IS 5587:1970 Reviewed In : 2006	Hand Dress
14	IS 5588:1970	Quadriceps Boots
15	IS 5811:1970	Hip joint with lock for steel orthopaedic calipers and braces
16	IS 6415:1972	Floor springs Hydraulically Regulated for heavy doors - Specification Second Revision
17	IS 6423:1972	Simple single axis steel hip joint for above knee conventional prosthesis
18	IS 6424:1972	Simple axis steel knee joint for below knee conventional prosthesis
19	IS 6984:1972	Polycentric knee joint
20	IS 6998:1983	Special screw for sach foot
21	IS 8490:1977	Skin blocks wooden

22	IS 8491:1977	Knee Blocks Wooden
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<b>Annexure-II :List of Indian Product Standards</b>
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Sl. No.	IS No. & Year	Title
1	IS 10269:2024	Medical Laboratory Glass Apparatus - Haemocytometer - Specification First Revision
2	IS 10867:2018 ISO 6710 : 2017 Reviewed In : 2024 ISO 6710: 2017	Single - Use containers for human venous blood specimen collection First Revision
3	IS 11383:1985 Reviewed In : 2022	Specification for thin walled glass capillary pipettes
4	IS 12622:1989 Reviewed In : 2021 Reaffirmed but not taken up for revision	Medical thermometers for hypothermia subnormal range - Specification
5	IS 14284:1995 ISO 7712 Reviewed In : 2021 ISO 7712 : 1983	Laboratory glassware - Disposable pasteur pipettes - Specification
6	IS 3055 (Part 1):1994 Reviewed In : 2021	Clinical thermometers Part 1 solid stem type - Specification Second Revision
7	IS 3055 (Part 2):2004 Reviewed In : 2019	Clinical thermometers Part 2 enclosed scale type - Specification Third Revision
8	IS 3740:2024	Medical Laboratory Glassware Glass Tubes for Pathology Work - Specification First Revision
9	IS 3741 (Part 1):1990 Reviewed In : 2024	Medical instruments sedimentation tubes - Specification Part 1 westergren tube Second Revision
10	IS 3741 (Part 2):1990 Reviewed In : 2021	Medical glass instruments - Sedimentation tubes - Specification Part 2 wintrobe tube Second Revision
11	IS 3742:1990 Reviewed In : 2021	Medical glass instruments - Pipettes dilution for haemocytometers specification Second Revision
12	IS 4067:1967 Reviewed In : 2022	Specification for tube swab West Type for throat
13	IS 4069:2024	Medical Laboratory Glassware - Urinometer - Specification First Revision
14	IS 4087:2024	Medical Laboratory Glassware Pipette for Haemoglobinometer and Blood Pipette for Biochemical Work - Specification Second Revision
15	IS 4364:2024	Medical Laboratory Glassware Serological Pipettes - Specification First Revision
16	IS 4381:1967 Reviewed In : 2022	Specification for pathological microscope
17	IS 4444:2024	Medical Laboratory Glassware Bacteriological Bottles Specification First Revision
18	IS 4529:1968 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for glass tubes for medical thermometers
19	IS 4708:2024	Medical Laboratory Glassware - Conical Urine Glass - Specification First Revision
20	IS 4754:2024	Medical Laboratory Glassware - Staining Troughs and Jar - Specification First Revision
21	IS 5155:1969 Reviewed In : 2024	Specification for pipettes ostwald - Folin type
22	IS 6606:2024	Medical Laboratory Glass Apparatus Esbachs Albuminometer Specification First Revision

23	IS 6942:1973 Reviewed In : 2022	Specification for flask roux bacteriological with or without offset neck 1000 MI Nominal Capacity
24	IS 6943:2024	Medical Laboratory Glassware - Cover Glass used with Haemocytometer - Specification Second Revision
25	IS 6944:1973 Reviewed In : 2022	Specification for bottle bijou bacteriological
26	IS 7039:1973 Reviewed In : 2022	Specification for tube culture screw cap
27	IS 7183:1973 Reviewed In : 2022	Specification for flask culture haffkine
28	IS 8501:1977 Reviewed In : 2022	Specification for anaerobic jar
29	IS 9430:1980 Reviewed In : 2022	Specification for tube haemometer