



Designation: E 982 – 94 (Reapproved 1998)

Standard Specification for Laboratory Glass Test Tubes¹

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1. Scope

1.1 This specification covers glass test tubes suitable for laboratory use.

2. Referenced Documents

2.1 ASTM Standards:

C 162 Definitions of Terms Relating to Glass and Glass Products²

D 700 Specification for Phenolic Molding Compounds³

D 2146 Specification for Propylene Plastic Molding and Extrusion Materials⁴

E 438 Specification for Glasses in Laboratory Apparatus⁵

E 542 Practice for Calibration of Volumetric Ware⁵

E 671 Specification for Maximum Permissible Thermal Residual Stress in Annealed Glass Laboratory Apparatus⁵

E 675 Specification for Interchangeable Taper-Ground Stopcocks and Stoppers⁵

E 920 Specifications for Commercially Packaged Laboratory Apparatus⁵

E 921 Specifications for Export Packaged Laboratory Apparatus⁵

E 1133 Practice for Performance Testing of Packaged Laboratory Apparatus United States Government Procurement⁵

E 1157 Specification for Sampling and Testing Reusable Laboratory Glassware⁵

2.2 Glass Packaging Institute Standard:

GPI Tall Continuous Thread Concealed Bead Finish, Glass Finish Drawing Nos. 410, 415, and 430⁶

3. Classification

3.1 Test tubes shall be of the following sizes:

Size	Nominal OD × Length, mm
1	6 × 50
2	10 × 70
3	10 × 75
4	12 × 75
5	12 × 100
6	13 × 100
7	14 × 100
8	14 × 150
9	15 × 125
10	16 × 100
11	16 × 125
12	16 × 150
13	18 × 150
14	19 × 150
15	20 × 125
16	20 × 150
17	21 × 150
18	22 × 175
19	25 × 150
20	25 × 200
21	25 × 250
22	38 × 200

3.1.1 Type I—General-Purpose, Beaded Rim:

Size	Nominal OD × Length, mm
3	10 × 75
4	12 × 75
6	13 × 100
9	15 × 125
11	16 × 125
12	16 × 150
13	18 × 150
14	19 × 150
16	20 × 150
19	25 × 150
20	25 × 200

3.1.2 Type II—Beaded Rim, Graduated:

Size	Nominal OD × Length, mm
5	12 × 100
8	14 × 150
11	16 × 125
12	16 × 150
16	20 × 150
17	21 × 150
20	25 × 200

3.1.3 Type III—Standard Taper, Glass-Stoppered:

Size	Nominal OD × Length, mm
6	13 × 100
12	16 × 150
14	19 × 150
18	22 × 175

¹ This specification is under the jurisdiction of ASTM Committee E-41 on Laboratory Apparatus and is the direct responsibility of Subcommittee E41.01 on Glass Apparatus.

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² Annual Book of ASTM Standards, Vol 15.02.

³ Annual Book of ASTM Standards, Vol 08.01.

⁴ Discontinued, see 1984 Annual Book of ASTM Standards, Vol 08.02.

⁵ Annual Book of ASTM Standards, Vol 14.04.

⁶ Available from Glass Packaging Institute, 6845 Elm Street, Suite 209, McLean, VA 22101.