



Designation: **E732 – 80 (Reapproved 2011) E732 – 80 (Reapproved 2018)**

Standard Specification for Disposable Pasteur-Type Pipet¹

This standard is issued under the fixed designation E732; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers requirements for four types of glass disposable bacteriological (Pasteur type) nonvolumetric pipets suitable for replicate dispensing of drops of solutions and suspensions for laboratory purposes.

1.2 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

2. Referenced Documents

2.1 *ASTM Standards:*²

E438 Specification for Glasses in Laboratory Apparatus

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *disposable pipets*—in accordance with this specification and the expected product performance expressed in this standard, those pipets which are to be used one time only. *Any institution or individual who reuses a disposable pipet must bear full responsibility for its safety and effectiveness.*

4. Classification

4.1 Pipets covered by this specification shall be of the following types according to size:

Type I—5 $\frac{3}{4}$ in. (approximately 150 mm) long

Type II—9 in. (approximately 230 mm) long

Type III—Large-tip pipet 5 $\frac{3}{4}$ in. (approximately 150 mm) long

Type IV—Jumbo pipet 5 $\frac{3}{4}$ in. (approximately 150 mm) long

5. Workmanship, Finish, and Appearance

5.1 The pipets shall be free of obstructions, visible defects, irregularities, striae, bubbles, and other defects that detract from appearance and impair their serviceability.

5.2 The pipets shall be visibly clean and ready for use; free of grease, dirt, grit, oil, or oily type substances readily detectable to the naked eye under normal room lighting.

5.3 Pipets shall be straight and concentric to the extent that when rolled on a plane surface the tip of the pipet shall not touch the surface.

5.4 Pipets shall be of sufficient strength and uniformity of wall thickness to withstand normal usage and transportation.

6. Requirements

6.1 *Material*—The pipets shall be made of good quality, clear glass conforming to the requirements of Type I, Class A or B (borosilicate), or Type II (soda lime), of Specification **E438**.

¹ This specification is under the jurisdiction of ASTM Committee **E41** on Laboratory Apparatus and is the direct responsibility of Subcommittee **E41.01** on Apparatus Laboratory Ware and Supplies.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.