Designation: E1380 – 90 (Reapproved2010)

Standard Specification for Color Coding of Laboratory Pipets with Multiple Graduations, 0.1 mL and Larger, But Excluding Disposable Prothrombin and Disposable Micropipets[1]

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1. Scope

1.1 This specification provides a system for color coding disposable pipets (glass and plastic) with multiple graduations. The color will indicate capacity and subdivisions for identification purposes.

1.2 The intent of this specification is to ensure that when color coding is utilized, all manufacturers will be encouraged to use the same color for nominal value identification.

1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

2. Referenced Documents

2.1 *ASTM Standards:*[2]

E1273 Specification for Color Coding of Reusable Laboratory Pipets

3. General Requirements

3.1 Colors shall be as specified in Table 1.

3.2 *Durability*—Disposable pipet coding shall be as durable as the graduations of the pipet. (Any institution or individual who reuses a disposable product must bear full responsibility for its safety and effectiveness).

4. Style

4.1 Each pipet may be color coded by one or more of the following methods:

4.1.1 A single or double color band. The single color band shall be 6 to 10 mm wide and the double color bands shall be 3 to 5 mm wide and separated by a clear space of 2 to 3 mm. Color bands need not be continuous, but may be broken as long as 40 % of the circumference of the pipet is covered.

4.1.2 Colored plugging material.

4.1.3 Permanent color constituent (ingredient) of the pipet material(s).

4.1.4 Coloring of the standard identification marking(s) of the pipet.

4.2 A color blow out band or bands shall not be the only method used to signify size.

4.3 *Location*—Color coding shall be near the top end of the pipet. In the instances where a separate band or bands are utilized to indicate “blow-out” or “blow-out” style pipets, there shall be a distinct separation with the blow out band or bands in the upper most position.

4.4 *Color Code Packaging*—If color coding is used in packaging graphics, then the color will be the same as in Table 1.

[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.

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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.