



Designation: E1048 – 88 (Reapproved 2021)

Standard Specification for Color-Coding Pipets or Containers Coated With Anticoagulants¹

This standard is issued under the fixed designation E1048; 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 a system to identify the anticoagulants used in coating pipets or containers not exceeding 1 mL in volume.

1.2 The purpose of this specification is to ensure that if a color code is used with an anticoagulant, all manufacturers will be encouraged to use the same code; it is not intended to require color coding.

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

1.4 *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.*

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

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2. Color Code

2.1 The color coding used to identify the anticoagulant used in coating the pipets shall be in accordance with **Table 1**.

2.2 Variations in the enamels used and in the methods of application appropriate for pipets made from different types of glass inevitably result in minor variations of color, and it is therefore not appropriate to specify more closely the colors mentioned in the table.

3. Dimensions and Permissible Variations

3.1 The color code shall consist of a color band 1-3 mm wide which shall completely encircle the pipet in a plane perpendicular to its longitudinal axis.

3.2 The location of the color code shall not be more than 20 mm from the top of the pipet.

3.3 If other color code bands are used to indicate capacity, they shall be 2-6 mm wide. The anticoagulant color code band should be separated with a space of at least 5 mm. The color code band indicating the anticoagulant should be closest to the top of the pipet.

4. Keywords

4.1 anticoagulants; colorcoding; pipets

TABLE 1 Anticoagulant Color Code Identification

| Anticoagulant | Color Code Band |
|------------------|-----------------|
| Ammonium Heparin | Red |
| Sodium Heparin | Green |
| Lithium Heparin | |

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