



Designation: **E1200–19 E1200 – 24**

Standard Practice for Preserving Zooplankton Samples¹

This standard is issued under the fixed designation E1200; 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 practice describes the proper procedures for preserving zooplankton samples with either formaldehyde, ethanol, glutaraldehyde, Lugol's iodine solution, or vinegar (acetic acid).

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

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

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.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[D1129 Terminology Relating to Water](#)

[D1193 Specification for Reagent Water](#)

3. Terminology

3.1 *Definitions:*

3.1.1 For definitions of terms used in this standard, refer to Terminology [D1129](#).

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *zooplankton, n*—plankton consisting of small animals and the immature stages of larger animals.

3.2.1.1 *Discussion*—

Some of these organisms, such as miniature crustaceans and protozoans, are very small. Others, such as jellyfish, are larger. Some fishes and shellfish begin their lives as eggs or tiny larvae. These eggs and larvae are also zooplankton.

¹ This practice is under the jurisdiction of ASTM Committee [D19](#) on Water and is the direct responsibility of Subcommittee [D19.24](#) on Water Microbiology. Current edition approved April 1, 2019; April 1, 2024. Published April 2019; April 2024. Originally approved in 1987. Last previous edition approved in 2012 as [E1200 – 87 \(2012\)](#); [E1200 – 19](#). DOI: [10.1520/E1200-19](#); [10.1520/E1200-24](#).

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.