

ASTM Standards on Materials and Environmental Microbiology: 4th Edition

- C1338-00 Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
- D887-82(2003)e1 Standard Practices for Sampling Water-Formed Deposits
- D932-85(2002) Standard Test Method for Iron Bacteria in Water and Water-Formed Deposits
- D1193-06 Standard Specification for Reagent Water
- D1413-05b Standard Test Method for Wood Preservatives by Laboratory Soil-Block Cultures
- D1758-05 Standard Test Method of Evaluating Wood Preservatives by Field Tests with Stakes
- D1987-95(2002) Standard Test Method for Biological Clogging of Geotextile or Soil/Geotextile Filters
- D2017-05 Standard Test Method of Accelerated Laboratory Test of Natural Decay Resistance of Woods
- D2020-92(2003) Standard Test Methods for Mildew (Fungus) Resistance of Paper and Paperboard
- D2278-06 Standard Test Method for Field Evaluation of Wood Preservatives in Round Post-Size Specimens
- D2481-05 Standard Test Method for Accelerated Evaluation of Wood Preservatives for Marine Services by Means of Small Size Specimens
- D2574-06 Standard Test Method for Resistance of Emulsion Paints in the Container to Attack by Microorganisms
- D2667-95(2001) Standard Test Method for Biodegradability of Alkylbenzene Sulfonates
- D3273-00(2005) Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
- D3274-95(2002) Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation
- D3370-95a(2003)e1 Standard Practices for Sampling Water from Closed Conduits
- D3456-86(2002) Standard Practice for Determining by Exterior Exposure Tests the Susceptibility of Paint Films to Microbiological Attack
- D3623-78a(2004) Standard Test Method for Testing Antifouling Panels in Shallow Submergence
- D3731-87(2004) Standard Practices for Measurement of Chlorophyll Content of Algae in Surface Waters
- D3862-80(2001) Standard Test Method for Retention Characteristics of 0.2- μ m Membrane Filters Used in Routine Filtration Procedures for the Evaluation of Microbiological Water Quality
- D3863-87(2003) Standard Test Method for Retention Characteristics of 0.40 to 0.45- μ m Membrane Filters Used in Routine Filtration Procedures for the Evaluation of Microbiological Water Quality
- D3978-04 Practice for Algal Growth Potential Testing with *Pseudokirchneriella subcapitata*
- D4012-81(2002) Standard Test Method for Adenosine Triphosphate (ATP) Content of Microorganisms in Water
- D4196-05 Standard Test Method for Confirming the Sterility of Membrane Filters
- D4198-82(2003) Standard Test Methods for Evaluating Absorbent Pads Used with Membrane Filters for Bacteriological Analysis and Growth
- D4200-82(2003) Standard Test Method for Evaluating Inhibitory Effects of Ink Grids on Membrane Filters
- D4249-83(2005) Standard Test Method for Enumeration of *Candida albicans* in Water

D4300-01 Standard Test Methods for Ability of Adhesive Films to Support or Resist the Growth of Fungi

D4412-84(2002) Standard Test Methods for Sulfate-Reducing Bacteria in Water and Water-Formed Deposits

D4445-03 Standard Test Method for Fungicides for Controlling Sapstain and Mold on Unseasoned Lumber (Laboratory Method)

D4454-85(2002) Standard Test Method for Simultaneous Enumeration of Total and Respiring Bacteria in Aquatic Systems by Microscopy

D4455-85(2002) Standard Test Method for Enumeration of Aquatic Bacteria by Epifluorescence Microscopy Counting Procedure

D4576-01 Standard Test Method for Mold Growth Resistance of Wet Blue

D4610-98(2004) Standard Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings

D4783-01 Standard Test Methods for Resistance of Adhesive Preparations in Container to Attack by Bacteria, Yeast, and Fungi

D4994-89(2002) Standard Practice for Recovery of Viruses from Wastewater Sludges

D5120-90(2004) Standard Test Method for Inhibition of Respiration in Microbial Cultures in the Activated Sludge Process

D5172-91(2004) Standard Guide for Documenting the Standard Operating Procedures Used for the Analysis of Water

D5210-92(2000) Standard Test Method for Determining the Anaerobic Biodegradation of Plastic Materials in the Presence of Municipal Sewage Sludge

D5244-92(2004) Standard Practice for Recovery of Enteroviruses from Waters

D5245-92(2005) Standard Practice for Cleaning Laboratory Glassware, Plasticware, and Equipment Used in Microbiological Analyses

D5246-92(2004) Standard Test Method for Isolation and Enumeration of Pseudomonas aeruginosa from Water

D5259-92(2000) Standard Test Method for Isolation and Enumeration of Enterococci from Water by the Membrane Filter Procedure

D5271-02 Standard Test Method for Determining the Aerobic Biodegradation of Plastic Materials in an Activated-Sludge-Wastewater-Treatment System

D5338-98(2003) Standard Test Method for Determining Aerobic Biodegradation of Plastic Materials Under Controlled Composting Conditions

D5392-93(2000) Standard Test Method for Isolation and Enumeration of Escherichia Coli in Water by the Two-Step Membrane Filter Procedure

D5465-93(2004) Standard Practice for Determining Microbial Colony Counts from Waters Analyzed by Plating Methods

D5511-02 Standard Test Method for Determining Anaerobic Biodegradation of Plastic Materials Under High-Solids Anaerobic-Digestion Conditions

D5583-06 Standard Test Method for Detection and Estimation of Retention of Wood Preservatives by Aspergillus Bioassaying

D5588-97(2002) Standard Test Method for Determination of the Microbial Condition of Paint, Paint Raw Materials, and Plant Areas

D5589-97(2002) Standard Test Method for Determining the Resistance of Paint Films and Related Coatings to Algal Defacement

D5590-00(2005) Standard Test Method for Determining the Resistance of Paint Films and Related Coatings to Fungal Defacement by Accelerated Four-Week Agar Plate Assay

D5660-96(2004) Standard Test Method for Assessing the Microbial Detoxification of Chemically Contaminated Water and Soil Using a Toxicity Test with a Luminescent Marine Bacterium

D5810-96(2001) Standard Guide for Spiking into Aqueous Samples

D5916-96(2002) Standard Test Method for Detection and Enumeration of *Clostridium perfringens* from Water and Extracted Sediments by Membrane Filtration (MF)

D5952-02 Standard Guide for Inspecting Water Systems for Legionellae and Investigating Possible Outbreaks of Legionellosis (Legionnaires' Disease or Pontiac Fever)

D5975-96(2004) Standard Test Method for Determining the Stability of Compost by Measuring Oxygen Consumption

D5988-03 Standard Test Method for Determining Aerobic Biodegradation in Soil of Plastic Materials or Residual Plastic Materials After Composting

D6329-98(2003) Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers

D6340-98 Standard Test Methods for Determining Aerobic Biodegradation of Radiolabeled Plastic Materials in an Aqueous or Compost Environment

D6503-99(2005) Standard Test Method for Enterococci in Water Using Enterolert

E640-78(1998) Standard Test Method for Preservatives in Water-Containing Cosmetics

E645-02a Standard Test Method for Efficacy of Microbicides Used in Cooling Systems

E723-97(2002) Standard Test Method for Efficacy of Antimicrobials as Preservatives for Aqueous-Based Products Used in the Paper Industry (Bacterial Spoilage)

E875-00(2005) Standard Test Method for Efficacy of Fungal Control Agents as Preservatives for Aqueous-Based Products Used in the Paper Industry

E884-82(2006) Standard Practice for Sampling Airborne Microorganisms at Municipal Solid-Waste Processing Facilities

E979-91(2004) Standard Test Method for Evaluation of Antimicrobial Agents as Preservatives for Invert Emulsion and Other Water Containing Hydraulic Fluids

E1052-96(2002) Standard Test Method for Efficacy of Antimicrobial Agents Against Viruses in Suspension

E1053-97(2002) Standard Test Method for Efficacy of Virucidal Agents Intended for Inanimate Environmental Surfaces

E1054-02 Standard Test Methods for Evaluation of Inactivators of Antimicrobial Agents

E1115-02 Test Method for Evaluation of Surgical Hand Scrub Formulations

E1153-03 Standard Test Method for Efficacy of Sanitizers Recommended for Inanimate Non-Food Contact Surfaces

E1173-01e1 Standard Test Method of a Evaluation of a Preoperative, Precatheterization, or Preinjection Skin Preparations

E1174-06 Test Method for Evaluation of the Effectiveness of Health Care Personnel Handwash Formulations

E1202-87(2003) Standard Guide for Development of Micronucleus Assay Standards

E1207-02 Standard Practice for The Sensory Evaluation of Axillary Deodorancy

E1259-05 Standard Practice for Evaluation of Antimicrobials in Liquid Fuels Boiling Below 390°C¹;

E1262-88(2003) Standard Guide for Performance of the Chinese Hamster Ovary Cell/Hypoxanthine Guanine Phosphoribosyl Transferase Gene Mutation Assay

E1263-97(2003) Standard Guide for Conduct of Micronucleus Assays in Mammalian Bone Marrow Erythrocytes

E1279-89(2001) Standard Test Method for Biodegradation By a Shake-Flask Die-Away Method

E1280-97(2003) Standard Guide for Performing the Mouse Lymphoma Assay for Mammalian Cell Mutagenicity

E1285-01 Standard Guide for Identification of Bacteriophage Lambda (λ) or Its DNA

E1286-00 Standard Guide for Identification of Herpes Simplex Virus or its DNA

E1287-89(1999) Standard Practice for Aseptic Sampling of Biological Materials

E1298-89(2000) Standard Guide for Determination of Purity, Impurities, and Contaminants in Biological Drug Products

E1326-98 Standard Guide for Evaluating Nonconventional Microbiological Tests Used for Enumerating Bacteria

E1327-90(2000) Standard Test Method for Evaluation of Health Care Personnel Handwash Formulations by Utilizing Fingernail Regions

E1342-97(2002) Standard Practice for Preservation by Freezing, Freeze-Drying, and Low Temperature Maintenance of Bacteria, Fungi, Protista, Viruses, Genetic Elements, and Animal and Plant Tissues

E1357-90(2001) Standard Test Method for Determining the Rate of Bioleaching of Iron From Pyrite by Thiobacillus Ferrooxidans

E1397-91(2003) Standard Practice for the in vitro Rat Hepatocyte DNA Repair Assay

E1398-91(2003) Standard Practice for the in vivo Rat Hepatocyte DNA Repair Assay

E1427-00e1 Standard Guide for Selecting Test Methods to Determine the Effectiveness of Antimicrobial Agents and Other Chemicals for the Prevention, Inactivation and Removal of Biofilm

E1428-99(2004) Standard Test Method for Evaluating the Performance of Antimicrobials in or on Polymeric Solids Against Staining by Streptovorticillium reticulum (A Pink Stain Organism)

E1482-04 Standard Test Method for Neutralization of Virucidal Agents in Virucidal Efficacy Evaluations

E1493-01 Standard Guide for Identification of Bacteriophage M13 or Its DNA

E1531-00 Standard Practice for Detection of Mycoplasma Contamination of Cell Cultures by Growth on Agarose Medium

E1532-00 Standard Practice for Detection of Mycoplasma Contamination of Cell Cultures by Use of the Bisbenzamide DNA-Binding Fluorochrome

E1533-00 Standard Practice for Indirect Detection of Mycoplasma in Cell Culture by 4'-6-Diamidino-2-2 Phenylindole (DAPI) Staining

E1535-93(1998) Standard Test Method for Performance Evaluation of Anaerobic Digestion Systems

E1536-00 Standard Practice for Detection of Mycoplasma Contamination of Bovine Serum by the Large Volume Method

E1564-00 Standard Guide for Design and Maintenance of Low-Temperature Storage Facilities for Maintaining Cryopreserved Biological Materials

E1565-00 Standard Guide for Inventory Control and Handling of Biological Material Maintained at Low Temperatures

E1566-00 Standard Guide for Handling Hazardous Biological Materials in Liquid Nitrogen

E1589-05 Standard Test Method for Evaluation of First Aid Antiseptic Drug Products

E1625-94(2001) Standard Test Method for Determining Biodegradability of Organic Chemicals in Semi-Continuous Activated Sludge (SCAS)

E1705-95(2002) Standard Terminology Relating to Biotechnology

E1720-01 Standard Test Method for Determining Ready, Ultimate, Biodegradability of Organic Chemicals in a Sealed Vessel CO₂ Production Test

E1766-95(2002) Standard Test Method for Determination of Effectiveness of Sterilization Processes for Reusable Medical Devices

E1837-96(2002) Standard Test Method to Determine Efficacy of Disinfection Processes for Reusable Medical Devices (Simulated Use Test)

E1838-02 Standard Test Method for Determining the Virus-Eliminating Effectiveness of Liquid Hygienic Handwash and Handrub Agents Using the Fingerpads of Adult Volunteers

E1839-96(2002) Standard Test Method for Efficacy of Slimicides for the Paper Industry--Bacterial and Fungal Slime

E1873-04 Standard Guide for Detection of Nucleic Acid Sequences by the Polymerase Chain Reaction Technique

E1882-05 Standard Test Method for Evaluation of Antimicrobial Formulations by the Agar Patch Technique

E1883-02 Standard Test Method for Assessment of an Antibacterial Handwash Product by Multiple Basin Wash Technique

E1891-97(2002) Standard Guide for Determination of a Survival Curve for Antimicrobial Agents Against Selected Microorganisms and Calculation of a D-Value and Concentration Coefficient

E2011-99 Standard Test Method for Evaluation of Handwashing Formulations for Virus-Eliminating Activity Using the Entire Hand

E2111-05 Standard Quantitative Carrier Test Method to Evaluate the Bactericidal, Fungicidal, Mycobactericidal, and Sporocidal Potencies of Liquid Chemical Microbicides

E2149-01 Standard Test Method for Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents Under Dynamic Contact Conditions

E2180-01 Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials

E2197-02 Standard Quantitative Disk Carrier Test Method for Determining the Bactericidal, Virucidal, Fungicidal, Mycobactericidal and Sporocidal Activities of Liquid Chemical Germicides

E2274-03 Standard Test Method for Evaluation of Laundry Sanitizers and Disinfectants

E2275-03e1 Standard Practice for Evaluating Water-Miscible Metalworking Fluid Bioresistance and Antimicrobial Pesticide Performance

E2276-03e1 Standard Test Method for Determining the Bacteria-Eliminating Effectiveness of Hygienic Handwash and Handrub Agents Using the Fingerpads of Adult Subjects

E2314-03 Standard Test Method for Determination of Effectiveness of Cleaning Processes for Reusable Medical Instruments Using a Microbiologic Method (Simulated Use Test)

E2315-03 Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure

E2361-04 Standard Guide for Testing Leave-On Products Using In-Situ Methods

E2362-04 Standard Practice for Evaluation of Pre-saturated or Impregnated Towelettes for Hard Surface Disinfection

E2406-04 Standard Test Method for Evaluation of Laundry Sanitizers and Disinfectants for Use in High Efficiency Washing Operations

E2471-05 Standard Test Method for Using Seeded-Agar for the Screening Assessment of Antimicrobial Activity In Carpets

- F838-05 Standard Test Method for Determining Bacterial Retention of Membrane Filters Utilized for Liquid Filtration
- F1094-87(2005) Standard Test Methods for Microbiological Monitoring of Water Used for Processing Electron and Microelectronic Devices by Direct Pressure Tap Sampling Valve and by the Presterilized Plastic Bag Method
- F1356-99 Standard Guide for the Irradiation of Fresh and Frozen Red Meat and Poultry to Control Pathogens and Other Microorganisms
- F1608-00(2004) Standard Test Method for Microbial Ranking of Porous Packaging Materials (Exposure Chamber Method)
- F1670-03 Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood
- F1671-03 Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System
- F1736-03 Standard Guide for Irradiation of Finfish and Aquatic Invertebrates Used as Food to Control Pathogens and Spoilage Microorganisms
- F1885-04 Standard Guide for Irradiation of Dried Spices, Herbs, and Vegetable Seasonings to Control Pathogens and Other Microorganisms
- G21-96(2002) Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
- G29-96(2002) Standard Practice for Determining Algal Resistance of Plastic Films
- G160-03 Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials by Laboratory Soil Burial