

Instructions for Use

WATER WITH TWEEN® 80

Cat. no. U259	Deionized Water with Tween® 80, 125ml Polycarbonate Bottle, 100ml	16 bottles/box
Cat. no. V03	Water with Tween® 80, 13x100mm Tube, 3ml	20 tubes/box
Cat. no. V13	Water with Tween® 80, 16x125mm Tube, 13ml	20 tubes/box
Cat. no. V25	Water with Tween® 80, 20x125mm Tube, 24ml	20 tubes/box

INTENDED USE

The Hardy Diagnostics Water with Tween® 80 products are recommended for the preparation of microbial suspensions.

SUMMARY

Diluent solutions are used for preparing microbial and antimicrobial suspensions when it is necessary to deliver a standardized inoculum of microbes or standard concentration of antimicrobial agents. Delivery of a standard inoculum of microbes and antimicrobials provides consistent test results and allows quantitative analysis of drug potencies and susceptibilities of microbes. Test results are made even more reliable by the addition of Tween® 80 to the diluent. Tween® 80, a wetting agent, is used to reduce the surface tension that develops when using plastic seed trays and plastic pipets. Tween® 80 prevents the dispersion of microbes, thereby allowing the delivery of a consistent inoculum which further assures reliability of test results.

REAGENT FORMULA

Ingredients per liter of deionized water:*

Cat. no. U259:	
Tween® 80	1.0ml

Final pH 7.2 +/- 0.2 at 25 °C.

Cat. no. V03, V13, and V25:	
Tween® 80	0.2ml

Final pH 7.2 +/- 0.3 at 25 °C.

* Adjusted and/or supplemented as required to meet performance criteria.

STORAGE AND SHELF LIFE

Storage: Upon receipt, store the product at 2-30 °C. Products should not be used if there are any signs of contamination,

deterioration, or if the expiration date has passed. Product is light and temperature sensitive; protect from light, excessive heat, moisture, and freezing.

The expiration date on the product label applies to the product in its intact packaging when stored as directed. The product may be used and tested up to the expiration date on the product label and incubated for the recommended incubation times as stated below.

Refer to the document "[Storage](#)" for more information.

PRECAUTIONS

Product nos. V03, V13, and V25:

This product may contain components of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not guarantee the absence of transmissible pathogenic agents. Therefore, it is recommended that these products be treated as potentially infectious, and handle observing the usual Universal Precautions for blood. Do not ingest, inhale, or allow to come into contact with skin.

This product is for *in vitro* diagnostic use only. It is to be used only by adequately trained and qualified laboratory personnel. Observe approved biohazard precautions and aseptic techniques. All laboratory specimens should be considered infectious and handled according to "standard precautions." Refer to the document "[Guidelines for Isolation Precautions](#)" from the Centers for Disease Control and Prevention.

For additional information regarding specific precautions for the prevention of the transmission of all infectious agents from laboratory instruments and materials, and for recommendations for the management of exposure to infectious disease, refer to CLSI document M29: *Protection of Laboratory Workers from Occupationally Acquired Infections*.

Sterilize all biohazard waste before disposal.

Refer to the document "[Precautions When Using Media](#)" for more information.

Product no. U259:

This product may contain components of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not guarantee the absence of transmissible pathogenic agents. Therefore, it is recommended that these products be treated as potentially infectious, and handle observing the usual universal blood precautions. Do not ingest, inhale, or allow to come into contact with skin.

This product is for laboratory use only. It is to be used only by adequately trained and qualified laboratory personnel. Observe approved biohazard precautions and aseptic techniques. All laboratory specimens should be considered infectious and handled according to "standard precautions." Refer to the document "[Guidelines for Isolation Precautions](#)" from the Centers for Disease Control and Prevention.

For additional information regarding specific precautions for the prevention of the transmission of all infectious agents from laboratory instruments and materials, and for recommendations for the management of exposure to infectious disease, refer to CLSI document M29: *Protection of Laboratory Workers from Occupationally Acquired Infections*.

Sterilize all biohazard waste before disposal.

Refer to the document "[Precautions When Using Media](#)" for more information.

PROCEDURE

Specimen Collection: Specimen collection is not applicable since Water with Tween® 80 is not used in the primary isolation of microbes from clinical specimens.

Method of Use: Solutions for inoculation should be prepared by inoculating the diluent with one to five isolated

colonies of test organism. The suspension should be adjusted to the concentration of the appropriate McFarland inoculum Standard.

Refer to the Clinical and Laboratory Standards Institute (CLSI - formerly NCCLS) publications "Standards for Antimicrobial Susceptibility Testing" for further details.^(1,2)

INTERPRETATION OF RESULTS

Water with Tween[®] 80 lacks nutrient substances, and therefore does not support microbial growth. However, nutrient carry-over may allow growth to continue.

MATERIALS REQUIRED BUT NOT PROVIDED

Standard microbiological supplies and equipment such as loops, other culture media, McFarland Standards, swabs, applicator sticks, incinerators, and incubators, etc., as well as serological and biochemical reagents, are not provided.

QUALITY CONTROL

Water with Tween[®] 80 is not a growth medium. It is tested for sterility only.

PHYSICAL APPEARANCE

Water with Tween[®] 80 should appear clear and colorless.

REFERENCES

1. *Performance Standards for Antimicrobial Disk Susceptibility Tests*, M2-current edition. Clinical and Laboratory Standards Institute (CLSI - formerly NCCLS), Villanova, PA.
2. *Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically*, 2nd ed., M7-current edition. Clinical and Laboratory Standards Institute (CLSI - formerly NCCLS), Villanova, PA.
3. Anderson, N.L., et al. *Cumitech 3B; Quality Systems in the Clinical Microbiology Laboratory*, Coordinating ed., A.S. Weissfeld. American Society for Microbiology, Washington, D.C.
4. Versalovic, J., et al. *Manual of Clinical Microbiology*. American Society for Microbiology, Washington, D.C.
5. Tille, P.M., et al. *Bailey and Scott's Diagnostic Microbiology*, C.V. Mosby Company, St. Louis, MO.
6. Isenberg, H.D. *Clinical Microbiology Procedures Handbook*, Vol. I, II & III. American Society for Microbiology, Washington, D.C.

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