

Tween 80 2%

Nonionic surfactant in water solution for microbiological uses.

TYPICAL FORMULA

(g/l)

Polysorbate (Tween) 80
Final pH 7.0 ± 0.2

20

DESCRIPTION

This aqueous solution containing 2% (w/v) of polysorbate 80 is used in the preparation of culture media and other microbiological procedures.

PRINCIPLE

Polysorbate 80 (polyoxyethylene sorbitan monooleate) is a nonionic surfactant derived from sorbitan esters. It can be used in the microbiological laboratory to prepare microbial suspensions or the sample under examination and its further dilutions. Tween 80 may be added to culture media for several applications including: growing of tubercle bacilli, neutralizing phenolic compounds and mercurial derivatives, emulsifying and dispersing substances.

TECHNIQUE

Consult appropriate references for recommended test procedures.

INTERPRETATION OF RESULTS

Refer to appropriate references and procedures for results

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. The United States Pharmacopeial Convention (1995) The United States pharmacopeia, 23rd ed. Microbial limits tests, p. 1681-1686. The United States Pharmacopeial Convention Inc., Rockville, MD.
2. Orth, D. S. (1993) Handbook of cosmetic microbiology. Marcel Dekker, Inc., New York, N.Y.
3. Brummer, B. (1976). Influence of possible disinfectant transfer on *Staphylococcus aureus* plate counts after contact sampling. App. Environ. Microbiol. 32:80-84.
4. Food and Drug Administration (1969) Procedure for the examination of topical drugs and cosmetics. FDA, Rockville, MD.



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PRODUCT SPECIFICATIONS

NAME

Tween 80 2%

PRESENTATION

Glass bottles containing liquid culture medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
463180	6 x 600 ml bottles	6 bottles in cardboard box

pH OF THE MEDIUM

7.0 ± 0.2

USE

2% (w/v) polysorbate 80 aqueous solution used in the preparation of culture media and other microbiological procedures

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Slightly opalescent, yellowish

SHELF LIFE

2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 2°C, in aerobiosis
7 days at 35 ± 2°C, in aerobiosis
- Microbiological control
Tween 80 2% and Lecithin added to Tryptic Soy Agar (Microbial Content Test Agar)
Inoculum for productivity: 50-100 CFU
Incubation Conditions: 24-48 h at 35 ± 2°C, in aerobiosis

Microorganism

Staphylococcus aureus
Escherichia coli

Growth

Good
Good

TABLE OF SYMBOLS

 LOT	Batch code		Do not reuse		Manufacturer		Use by		Fragile, handle with care
 REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests		Caution, see instructions for use		



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