

# Tween 80 2%

Nonionic surfactant in water solution for microbiological uses.				
TYPICAL FORMULA	(g/l)			
Polysorbate (Tween) 80	20			
Final pH 7.0 ± 0.2				

#### 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 derivates, 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

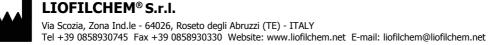
The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and 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, 23<sup>rd</sup> 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.





# **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

 $7.0 \pm 0.2$ 

### 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

#### SHELFLIFE

2 years

### QUALITY CONTROL

Control of general characteristics, label and print 1.

#### 2. Sterility control 7 days at 22 ± 2°C, in aerobiosis

7 days at 35 ± 2°C, in aerobiosis

#### 3. 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		Growth
Staphylococcus aureus	ATCC® 6538	Good
Escherichia coli	ATCC® 8739	Good

#### TABLE OF SYMBOLS

