

7980 Buffered Listeria Enrichment Broth Supplement (FDA)

Intended Use

Buffered Listeria Enrichment Broth (BLEB) Supplement (FDA) is used in Buffered Listeria Enrichment Broth Base as a selective supplement for the selective enrichment of *Listeria* spp. in foods in a laboratory setting. Buffered Listeria Enrichment Broth Supplement is not intended for use in the diagnosis of disease or other conditions in humans.

Principles of the Procedure

Buffered Listeria Enrichment Broth Supplement is a lyophilized supplement which is reconstituted into a solution and is added to Buffered Listeria Enrichment Broth Base.

For use in:

7675 Buffered Listeria Enrichment Broth Base: The nalidixic acid, acriflavin and cycloheximide contained in this supplement are added as selective agents to this medium based on the FDA/BAM recommendation where the medium is supplemented with selective agents after an initial 4-hour non-selective pre-enrichment of the sample. One reconstituted 5ml vial will supplement 450ml of BLEB containing 50ml or 50g sample.

Formula (per vial)

Acriflavin HCl.....	4.5mg
Nalidixic Acid.....	18mg
Cycloheximide.....	22.5mg

Precaution

1. For laboratory use only.

Directions

Buffered Listeria Enrichment Broth Base.

1. Dissolve 47 g of the medium in 1000 mL of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.
4. Aseptically add 11.1 mL of a 10% filter sterilized solution of sodium pyruvate.
5. After four hours of incubation at 30 ± 2°C, aseptically add 2.5mL Buffered Listeria Enrichment Supplement (FDA) (#7980) to 225 mL of Buffered Listeria Enrichment Broth Base containing 25 grams of the sample.

Quality Control Specifications

Lyophilized Appearance: Homogenous gold-yellow dried 'cake', crystalline; may break up with agitation.

Reconstituted Appearance: Gold yellow with a green tint; clear to very slightly opalescent; no precipitate.

Reconstitution Procedure

1. Reconstitute the vial by adding 2.5ml of ethanol 100%/200 proof (reagent, not denatured), swirl, then add 2.5ml of sterile purified water and mix thoroughly.

Storage

Store sealed bottle containing the product at 2 - 8°C.

Expiration

Refer to expiration date on the label. Expiry applies to the lyophilized supplement in its intact container when stored as directed.



Limitations of the Procedure

Discard if lyophilized supplement demonstrates any moisture uptake or appears to have liquefied; discard if reconstituted supplement demonstrates any precipitate.

Packaging

Buffered Listeria Enrichment Broth Supplement

Code No. 7980 10 x 5ml

Technical Information

Contact Acumedia Manufacturers, Inc. for Technical Service or questions involving dehydrated culture media preparation or performance at (517)372-9200 or fax us at (517)372-2006.