

# DuPont™ Lateral Flow System™

## ENRICHMENT MEDIA FOR *LISTERIA*

### PRODUCT DESCRIPTION

DuPont™ Lateral Flow System™ *Listeria* Media is a single-stage selective enrichment optimized for use with the DuPont™ Lateral Flow System™ test strips to detect *Listeria* in food samples and food industry environmental samples. This proprietary medium provides nutrients and stable pH conditions to improve the recovery of *Listeria* cells as low as 1 cfu in 25 g from sponges and swabs used to sample food contact surfaces and other environmental areas.



#### DuPont™ Lateral Flow System™

#### Enrichment Media for *Listeria*

Part #D12457152 (prev. 18220018)

500 g Base + 10 g Supplement

Makes 9.4 liters

Store dehydrated media below 25°C

Store dehydrated supplement below 4°C

Stable to expiration date on label

#### Appearance

Dehydrated Base:	Beige-colored, free-flowing powder
Dehydrated Supplement:	Salmon-colored, free-flowing powder
Prepared:	Gold-colored solution

#### Storage and Stability

Store dehydrated media and dehydrated supplement in their original containers, tightly sealed and away from moisture and bright light. Use by the expiration date stamped on the label.

Prepared base broth can be stored away from light for up to 2 weeks at 4°C. Once supplement is added, the broth must be used within 5 hours at room temperature, or within 24 hours at 4°C.

#### Preparation

Add  $53.0 \pm 0.2$  grams of DuPont™ Lateral Flow System™ *Listeria* Media Base and  $1.0 \pm 0.05$  grams of DuPont™ Lateral Flow System™ *Listeria* Media Supplement to one liter of sterilized water at 25°C. Shake vigorously until the media is dissolved. The pH of prepared broth should be  $7 \pm 0.2$ .

For best results, use the broth as soon as it is prepared. Base broth may also be prepared, autoclaved and stored for up to two weeks before adding supplement.

See reverse side for enrichment procedure.



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## Enrichment Procedure

**Food:** Add 25 grams of sample to a sterile stomacher bag or a lined polypropylene bottle and add 225 mL of prepared enrichment broth (Base plus Supplement at 30°C) to the bag or bottle containing the sample.

**Environmental samples (sponges\*):** Add 100 mL of prepared enrichment broth (Base plus Supplement at 30°C) to a sterile bag. If not pre-moistened, moisten 7.5 x 4 cm sponge with 10 ml DE neutralizing broth. Swipe a 4-inch square surface by wiping the sponge backward and forward for 30 seconds. Place sponge in bag of prepared broth and seal. Stomach for 30 seconds and incubate for 40 hours at 30 ± 0.5°C.

\*An environmental sampling sponge is a porous moisture absorbing matrix, approximately 2" (5 cm) x 3" (7.5 cm) often contained in a pre-sterilized sample bag.

**Environmental samples (swabs\*\*):** Add 10 mL of prepared enrichment broth (Base plus Supplement at 30°C) to a sterile bag. If not pre-moistened, moisten sterile cotton-tipped swab with DE neutralizing broth. Swipe a 1-inch square surface by rubbing the swab backward and forward for 30 seconds. Place swab in bag of prepared broth and seal. Stomach for 30 secs and incubate for 40 hours at 30 ± 0.5°C.

\*\*An environmental swab is a sampling device comprised of synthetic (e.g., Dacron) or cotton tips affixed to a wood or polymeric stick, delivered in a pre-sterilized package.

See package insert for complete directions on sample collection and testing.

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