

DuPont™ Lateral Flow System

LISTERIA TEST

PRODUCT DESCRIPTION

The DuPont™ Lateral Flow System test for *Listeria* species is simple and accurate.

- No capital expense
- Low labor and material costs with minimal training
- Single-stage enrichment with results in 40 hours



How the Lateral Flow System *Listeria* species test works

The DuPont™ Lateral Flow System test is an immunoassay with built-in controls. It employs a unique combination of anti-*Listeria* antibodies and a highly engineered colloidal gold conjugate coated on the surface of a membrane. The sample wicks up the test strip by capillary action. If *Listeria* is present in the sample, two red lines are formed.

The DuPont™ Lateral Flow System *Listeria* media provides a **single-stage enrichment, with no transfers required**. Simply mix the powdered media base with sterile water and add the supplement before use for **results in 40 hours**.

After enrichment, heat an aliquot of sample broth in a test tube for 5 minutes, and allow to cool. Drop the test strip into the sample tube, and **read the results 10 minutes later**. One control line is built into the lateral flow strip so you know the test has worked correctly. Two lines indicate a positive result. Test strips and media base can be **stored at room temperature**. The media supplement requires refrigeration.

Applications

The DuPont™ Lateral Flow System *Listeria* test is designed to detect *Listeria* on environmental surfaces and in a variety of ready-to-eat foods (such as deli meats, chicken nuggets, pepperoni, hot dogs, chicken salad and potato salad), dairy products (such as ice cream, soft cheese and milk), and fish products (such as cooked shrimp and smoked fish). The test can reliably detect 1 cfu in 25 grams of sample.

Full Product Line

DuPont™ Lateral Flow System *Listeria* test strips are available in 45-test kits, which include a package insert. Media base with supplement is available separately.

Approvals

The DuPont™ Lateral Flow System *Listeria* test has been certified by AOAC-RI as Performance Tested MethodsSM 080501.



Samples of this test kit model were independently evaluated by the AOAC Research Institute and were found to perform to the producer's specifications as stated in the test kit's descriptive insert. The producer certifies this kit conforms in all respects to the specifications originally evaluated by the AOAC Research Institute as detailed in the Performance Tested Certificate number 080501.



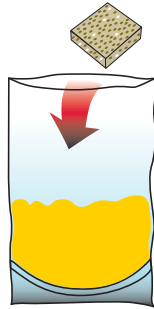
The miracles of science™

Lateral Flow System protocol

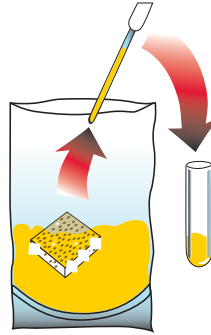
Step 1. Add prepared *Listeria* media (base + supplement to sample bag.



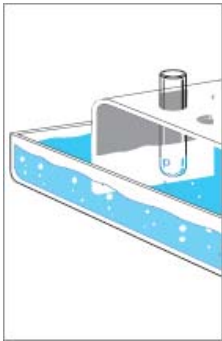
Step 2. Place sample in bag. Homogenize and close bag loosely. Incubate at 30°C for 40-48 hours.



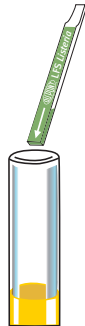
Step 3. Transfer aliquot of enrichment to test tube.



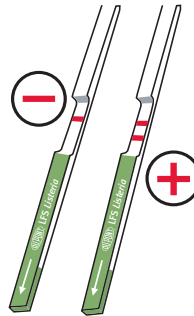
Step 4. Heat sample at 100°C for 5 minutes. Cool to room temperature.



Step 5. Insert test strip and allow to develop for 10 minutes.



Step 6. Remove test strip from tube and read result.



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