

Lateral Flow System



The Hygiena™ Lateral Flow System is a simple and inexpensive alternative to traditional culture methods for routinely screening foods for pathogens. This system offers optimized media, requires no capital investment and only minimal training. Low labor and material costs also help make this system a cost-effective screening tool.

Clear, Rapid Results

Using a unique combination of antibodies and highly engineered colloidal gold conjugate coated on the surface of a membrane, the Hygiena Lateral Flow System yields clear, reliable results—which are available much faster than conventional, culture-based testing.

After a few simple steps of preparation, the sample wicks up the test strip by capillary action. Within 10 minutes, if the target pathogen is present in the sample, two red lines are formed. If not, only the control line—which lets you know that the test has worked correctly—appears.

The test can detect 1 colony forming unit (cfu) in 25 grams of sample.

Optimized Media

The Hygiena Lateral Flow System uses specifically designed media that facilitate the maximum recovery of both sub-lethally injured and healthy cells, while inhibiting closely related competitive flora. Using this optimized media simplifies and shortens enrichment times.

Full Product Line

Tests and media are available for *Salmonella*, *Listeria* and *E. coli* O157 (including O157:H7). Test strips have a long shelf and can be stored at room temperature, saving valuable refrigerated storage space in your laboratory.

These Hygiena Lateral Flow Systems have been certified by the AOAC Research Institute as *Performance Tested Methods*™.





Hygiena™ Lateral Flow System for *Salmonella* AD

Tests are designed to detect *Salmonella* in raw ground beef and chicken, liquid eggs, sliced cooked turkey, carcass rinses and peanut butter. This second-generation product uses optimized antibodies on the test strips and phage-based enrichment media for improved sensitivity and specificity.

This method uses a simple two-stage enrichment and requires no sample boiling. The same protocol can be used for all food types, and the assay takes only 10 minutes –even for high– burden samples.



Hygiena™ Lateral Flow System for *Listeria*

Tests are designed to detect *Listeria* on environmental surfaces and in a variety of ready-to-eat foods, dairy products and fish products. The specially designed Hygiena Lateral Flow System media for *Listeria* reduces enrichment to a single stage and 40 hours. After a short boiling step, results are available in 10 minutes.



Hygiena™ Lateral Flow System for *E. coli* O157

Tests are designed to detect *E. coli* O157, including O157:H7, in raw beef (boneless and ground) and processed foods, including fruit juices. When used with Hygiena Lateral Flow System media for *E. coli* O157, enrichment is complete in as few as 8 hours and up to 18 hours. Alternatively, you can use standard media for 20-hour enrichment. Sample boiling is optional and will not affect results, which are available in 10 minutes.

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2028	D12457116	LFS <i>E. coli</i> Test Kit (Strips & Insert)	50 strips
MED2007	D12457133	LFS <i>E. coli</i> Media Base	500G
KIT2037	D12457060	LFS <i>Listeria</i> Kit (Strips & Insert)	45 strips
MED2008	D12457170	LFS <i>Listeria</i> Media Base	500G
MED 2009	D12457193	LFS <i>Listeria</i> Media Supplement	10G
KIT2038	D14368514	LFS <i>Salmonella</i> AD Test Kit	50 strips
MED2012	D14367402	LFS <i>Salmonella</i> AD Primary Media Base	500G
MED2014	D14367413	LFS <i>Salmonella</i> AD Secondary Media Base	250mL
MED2013	D14367435	LFS <i>Salmonella</i> AD Primary Media Supplement	10G



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