



GENE-UP[®]

REAL-TIME PCR SOLUTION FOR PATHOGEN DETECTION

Bringing confidence to the table



PIONEERING DIAGNOSTICS

GENE-UP®

The real-time PCR pathogen detection system from the microbiology experts at bioMérieux.

To protect your customers, your company, and your reputation, you need a fast, simple, and accurate method for detecting pathogens.



GENE-UP® is an easy way to get rapid, reliable results when diagnosing food-borne pathogens.

RAPID



5 minute lysis
< 1h Run
Remote access software

SIMPLE



Mechanical lysis step
Standardized and simplified workflow
Intuitive software interface

RELIABLE



FRET Technology
High *E. coli* O157:H7 test specificity
AOAC & AFNOR validated kits

FLEXIBLE



Generic lysis step
Common PCR run
Room temperature storage
Open platform



GENE-UP® REAGENTS

GENE-UP® offers ready-to-use test kits for your most pressing food safety concerns. The simple workflow is the same with each test, minimizing training and improving efficiencies.

CURRENT TEST KITS INCLUDE

- Salmonella
- STEC-STX & EAE
- *Listeria* spp.
- *E. coli* O157:H7
- *Listeria monocytogenes*
- STEC-TOP 6
- *Cronobacter* spp
- Norovirus GI
- Norovirus GII
- Duplex Norovirus GI & GII
- Hepatitis A
- Hepatitis E



Providing your clients with fast, accurate answers is good for everyone.

And GENE-UP's® reporting software gives you exactly that: fast, accurate answers. It improves manufacturing efficiencies and speeds up the decision-making process.

- Remote, web-based software allows for immediate access to results when a run is complete.
- Real-time desktop reporting allows you to react quickly.

Confidence comes from results you can trust

With GENE-UP®, it's more than just results. It's assurance in the results. GENE-UP® provides 3 levels of specificity by using both real time amplification curve and melt analysis to determine positive or negative results for a sample.

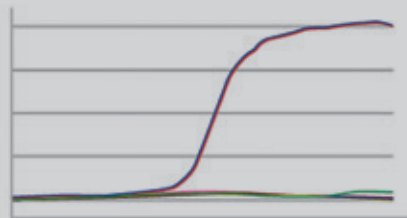
- Three Levels of Specificity:
 - Primers
 - FRET probes
 - Melt Peak
- Melt Peak analysis offers an additional level of sensitivity valuable for detecting low level samples

Efficiency and reliability with the EHEC solution

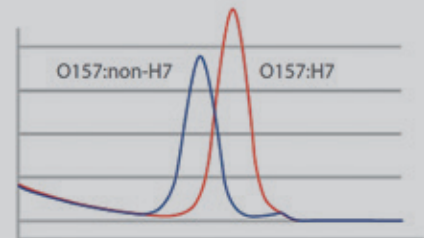
The EHEC Kit combines stx and eae, and the top 6 serogroups in one solution. And, using GENE-UP® in combination with VIDAS®, the EHEC solution provides unrivaled specificity.

- Simplifies the testing protocol
- Potentially reduces the number of false positive results

AMPLIFICATION CURVES



MELTING PEAKS



GENE-UP[®]

Confidence comes from unparalleled simplicity, superior performance and maximum flexibility.



RAPID

- Speed up the Decision Process
- Decrease Storage Cost
- Increase Productivity¹



SIMPLE

- Facilitate Laboratory Organization & Workflow
- Streamlined Training Process



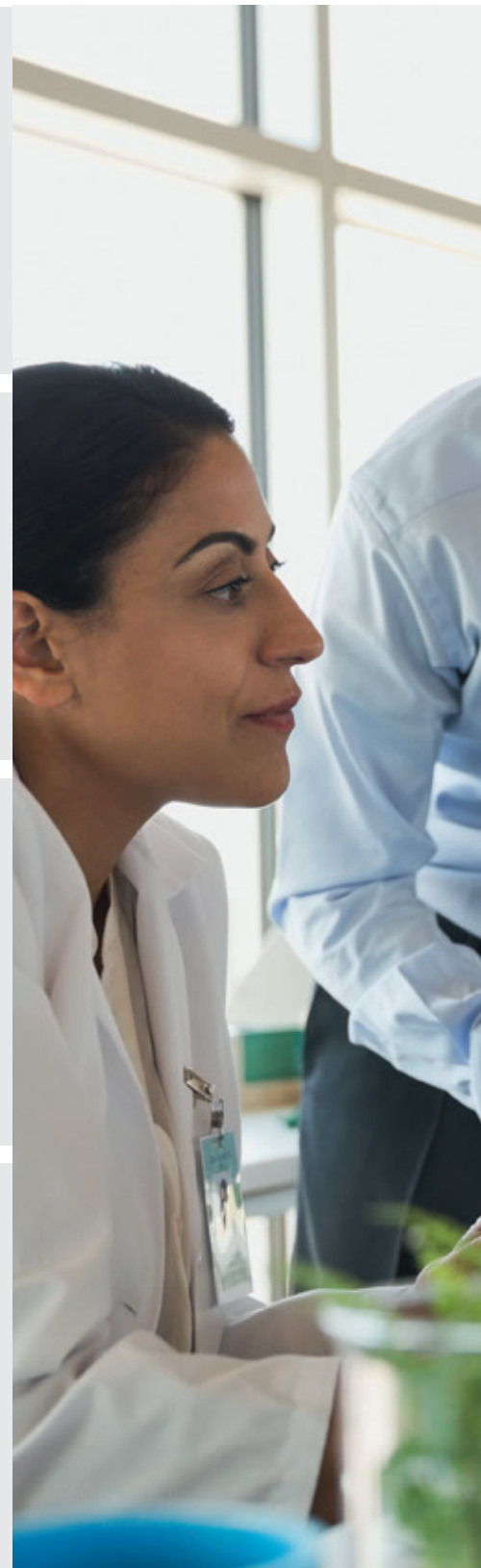
RELIABLE

- Decrease Cross Contamination Risk
- Reduce Product Waste



FLEXIBLE

- No Need to Work in Batches
- Manage Peaks of Activity
- Testing Alternatives: Virus Testing with ceeramTOOLS[®]



Confidence comes from a simplified workflow.

Simplifying workflow with easy-to-use pathogen detection systems can improve overall lab productivity¹. With GENE-UP[®], limited training is required, cross-contamination risks are decreased, and rapid results speed up the decision process — improving overall manufacturing efficiency.

STEP 1

Sample preparation and enrichment

- Standardized protocol and workflow
- Single enrichment
- Incubation time between 8-24 hours

STEP 2

Simplified generic lysis

- Optimized productivity with Magic Cap¹
- 5-minute mechanical lysis

STEP 3

Amplification and detection

- Same PCR run for all parameters
- Accurate results within one hour
- High level of specificity
- Real-time PCR analysis coupled with end-point melt peak analysis

STREAMLINE SAMPLE AND MEDIA PREPARATION

Increase efficiency and standardize performance with culture media preparation, automated weighing, diluting, and blending.

MASTERCLAVE[®]

- Approved by culture media manufacturers for more than 35 years
- Enhance your lab's workflow and productivity
- Easy & flexible – the high quality solution for every lab



DILUMAT[™] START AND DILUMAT[™] EXPERT EVO

- New generation of precision sample dilutors improves workflow
- Speed up sample prep and reduce contamination risk
- Save time and increase the efficiency of your lab



SMASHER[™] AND SMASHER XL[™]

- Large capacity blender/homogenizer utilizes patented "Smash" effect
- Efficient blending up to 4 liters





GENE-UP[®]

Confidence comes from a proven, reliable partner.

With GENE-UP[®], you're not just getting an intuitive real-time PCR solution for pathogen detection, you're getting 50 years of microbiology leadership from a vigilant team that embraces the highest standards in microbiology safety.

As a bioMérieux customer you can expect:

- Dedicated customer support and Scientific Affairs teams
- Access to VILINK[®], a highly secure direct connection between bioMérieux technical support and your instrument that provide real-time instrument system monitoring and rapid, secure online assistance to optimize instrument efficiency and keep your laboratory running smoothly.
- LIMS connectivity for easy uploading and downloading of sample information and results.