

## PMA Real-Time PCR Bacterial Viability Kit – *Listeria monocytogenes* (hly)



A kit designed to perform viability PCR on *Listeria monocytogenes*. It contains a viability dye (PMAxx™ or PMA) and primers to amplify the hly gene.

### Product attributes

Viability dye	PMA, PMAxx™
Storage Conditions	Store at -10 to -35 °C
Assay type/options	Live/dead discrimination, Viability PCR
Detection method/readout	PCR/qPCR, HRM®

### Product Description

This kit is designed to perform viability PCR on *Listeria monocytogenes*. It contains a viability PCR dye (PMA or PMAxx™) and primers to amplify the hly gene.

#### About this kit

*Listeria monocytogenes* is a food-borne pathogen that can cause digestive illness and fetal harm. The gene hly encodes the Listeria Lysin O (LLO) protein that is specific for *Listeria*. PMA-PCR using these primers for viability PCR in *Listeria* has been published. In addition, these primers have been validated at Biotium for real-time qPCR using Forget-Me-Not™ EvaGreen® qPCR Master Mix.

To learn more about the advantages of determining bacterial viability using viability PCR, visit the [Viability PCR Technology Page](#).

### Strain-Specific Bacterial Viability PCR Kits

Bacteria Strain	Gene name	Kit with PMA (catalog #)	Kit with PMAxx™ (catalog #)
Salmonella enterica	invA	<a href="#">31033</a>	<a href="#">31033-X</a>
Mycobacterium tuberculosis	groEL2	<a href="#">31034</a>	N/A
Staphylococcus aureus	nuc	<a href="#">31035</a>	N/A
MRSA	mecA	<a href="#">31036</a>	N/A
E. coli O157:H7	Z3276	<a href="#">31037</a>	<a href="#">31037-X</a>
E. coli	uidA	<a href="#">31050</a>	<a href="#">31050-X</a>
Listeria monocytogenes	hly	<a href="#">31051</a>	<a href="#">31051-X</a>
Legionella pneumophila	mip	<a href="#">31053</a>	N/A

Don't see your favorite strain? Let us know at [techsupport@biotium.com](mailto:techsupport@biotium.com).

PMAxx technology is covered by granted and/or pending US and international patents.

### References

Download [PMA and PMAxx™ References](#) and a list of [PMA and PMAxx™ Validated Bacterial Strains](#).

This datasheet was generated on May 8, 2026 at 06:37:26 AM. Visit product page to check for updated information before use.  
Product link: <https://biotium-woo.supremeclients.com/product/pma-real-time-pcr-bacterial-viability-kit-listeria-monocytogenes-hly/>