

PMA Real-Time PCR Bacterial Viability Kit – *Legionella pneumophila* (mip)

A kit designed to perform viability PCR on *Legionella pneumophila*. It contains the viability PCR dye PMA and primers to amplify the mip gene.



Product attributes

Viability dye	PMA
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 *Legionella pneumophila*. It contains the viability PCR dye PMA and primers to amplify the mip gene.

About this kit

Legionella pneumophila is a pathogenic species of gram-negative bacteria. It can infect the lungs and cause Legionnaire's Disease. *Legionella pneumophila* is sometimes detected in water sources such as cooling towers and swimming pools. PCR to amplify the gene mip has been published and is highly specific for Legionella. The primers provided in the kit 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 #)
<i>Salmonella enterica</i>	invA	31033	31033-X
<i>Mycobacterium tuberculosis</i>	groEL2	31034	N/A
<i>Staphylococcus aureus</i>	nuc	31035	N/A
<i>MRSA</i>	mecA	31036	N/A
<i>E. coli O157:H7</i>	Z3276	31037	31037-X
<i>E. coli</i>	uidA	31050	31050-X
<i>Listeria monocytogenes</i>	hly	31051	31051-X
<i>Legionella pneumophila</i>	mip	31053	N/A

Don't see your favorite strain? Let us know at 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](#).

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