

## PMA Real-Time PCR Bacterial Viability Kit – *Mycobacterium tuberculosis* (groEL2)



A kit designed to perform viability PCR on *Mycobacterium tuberculosis*. It contains the viability PCR dye PMA and primers to amplify the groEL2 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

### Product Description

This kit is designed to perform viability PCR on *Mycobacterium tuberculosis*. It contains the viability PCR dye PMA and primers to amplify the groEL2 gene.

### About this kit

*Mycobacterium tuberculosis* is a pathogenic bacteria that infects the lungs and causes the disease tuberculosis. PCR to detect *Mycobacterium tuberculosis* has been reported using the primers provided in the kit. In addition, these primers have been validated at Biotium for real-time qPCR using Forget-Me-Not™ EvaGreen® qPCR Master Mix. Note: groEL2 primers also amplify other mycobacteria species, but products may be distinguishable by melt curve analysis.

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	<a href="#">31033</a>	<a href="#">31033-X</a>
<i>Mycobacterium tuberculosis</i>	groEL2	<a href="#">31034</a>	N/A
<i>Staphylococcus aureus</i>	nuc	<a href="#">31035</a>	N/A
MRSA	mecA	<a href="#">31036</a>	N/A
<i>E. coli</i> O157:H7	Z3276	<a href="#">31037</a>	<a href="#">31037-X</a>
<i>E. coli</i>	uidA	<a href="#">31050</a>	<a href="#">31050-X</a>
<i>Listeria monocytogenes</i>	hly	<a href="#">31051</a>	<a href="#">31051-X</a>
<i>Legionella pneumophila</i>	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](#).

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