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PMA Real-Time PCR Bacterial Viability Kit – Staphylococcus aureus (nuc)

A kit designed to perform viability PCR on *Staphylococcus aureus*. It contains the viability PCR dye PMA and primers to amplify the nuc 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 *Staphylococcus aureus*. It contains the viability PCR dye PMA and primers to amplify the nuc gene.

About this kit

Staphylococcus aureus is an anaerobic gram positive bacterium that can cause of a variety of infections in humans, and methicillin-resistant *S. aureus* is a rising cause of hospital-acquired infections. The primers included in this kit have been tested for amplification of the S. aureus-specific gene *nuc* gene from genomic DNA from both methicillin-susceptible and methicillin-resistant strains of *S. aureus* and have been validated at Biotium for real-time qPCR using Forget-Me-Not™ EvaGreen® qPCR Master Mix. Biotium also offers the Staphylococcus aureus (mecA) PMA-PCR kit, which includes primers against the methicillin-resistance gene *mecA*.

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	31033	31033-X
Mycobacterium tuberculosis	groEL2	31034	N/A
Staphylococcus aureus	nuc	31035	N/A
MRSA	mecA	31036	N/A
E. coli O157:H7	Z3276	31037	31037-X
E. coli	uidA	31050	31050-X
Listeria monocytogenes	hly	31051	31051-X
Legionella pneumophila	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.