

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](#).

This datasheet was generated on May 9, 2026 at 12:06:40 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-staphylococcus-aureus-nuc/>