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PMA Real-Time PCR Bacterial Viability Kit – E. coli (uidA)



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

About this kit

Escherichia coli is a species of bacteria that is commonly used in laboratories. Some strains of *E. coli* are food-borne pathogens and can cause digestive illness. For specific detection of the pathogenic *E. coli* strain O157:H7, please see kit number 31037. PCR to amplify the gene uidA has been published and shown to be highly specific for *E. coli*. 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 #)
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 November 7, 2026 at 10:12:18 PM. 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-e-coli-uida/