BLU-V® Viability PMA Kit, Part 2

The BLU-V- Viability PMA Kit (cat. no. 296015) can be stored at 2–8°C until the expiration date.

Further information

- *BLU-V Viability PMA Kit Handbook*: www.qiagen.com/handbooks
- Safety Data Sheets: www.qiagen.com/safety
- Technical assistance: toll-free 00800-22-44-6000, or www.qiagen.com/contact

Notes before starting

- The BLU-V Viability PMA Kit is intended for molecular biology applications. The product is not intended for the diagnosis, prevention, or treatment of a disease
- Add 550 µl RNase-Free Water to each vial of PMA reagent, to obtain a 2.5 mM PMA solution. Mix by pipetting up and down 5 times or vortexing the tube for 4–6 sec, and centrifuge briefly. Keep the reconstituted PMA reagent protected from light until its use in protocol step 5.
- Prepare two 2 ml SafeSeal Micro Tubes with 1 ml of sample solution for each homogenous sample pool for the dead cell control samples. Close the tubes, label one tube as "Dead + PMA" and the other tube as "Dead No PMA". Heat for 10 min at 70°C in a thermomixer or shaking water bath to kill bacteria. Let tubes cool to room temperature. Continue with step 2. Treat the tube "Dead + PMA" according to the normal workflow, treat the tube "Dead No PMA" according to the descriptions for the "No PMA control sample". This dead cell controls will show the maximum capacity of PMA masking.

10. If you want to continue with the DNA purification using the QIAamp® UCP Pathogen Mini Kit, QIAamp *cador*® Pathogen Mini Kit or the QIAsymphony® *mericon*® Bacteria Kit, continue with step 10. If you want to continue with the DNA purification using the DNeasy® Blood & Tissue Kit,

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the QIAamp DNA Mini Kit, QIAsymphony DNA Mini Kit, or EZ1® DNA Tissue Kit, continue with step 12.

11. Add 500 µl of Buffer EB to the pellet of the target organism, tightly cap the tube, and resuspend the pellet by brief, vigorous vortexing.

12. Continue according to the QIAamp UCP Pathogen Mini Handbook, page 26 (Pretreatment of Microbial DNA from Biological Fluids or Cultures), QIAamp cador Pathogen Mini Handbook, page 24 (Pretreatment B2 - for Difficult-to-Lyse Bacteria in Cell-Free Fluids), or the QIAsymphony mericon Bacteria Handbook (mericon Automated Pathogen Detection Workflow Handbook, page 20).

13. Continue with the respective protocol according to the handbook for the DNeasy Blood & Tissue Kit, page 44 (Gram-negative bacteria) or page 45 (Gram-positive bacteria), QIAamp DNA Mini Kit, page 55 (Appendix D: Protocols for Bacteria), MagAttract® HMW DNA Kit, page 22 (Gram-negative bacteria), or page 25 (Gram-positive bacteria), QIAsymphony DNA Mini Kit (QIAsymphony SP Protocol Sheet: Tissue_LC_200_V7_DSP and Tissue_HC_200_V7_DSP, page 11 for Gram-negative bacteria, or page 12 for Gram-positive bacteria), or EZ1 DNA Tissue Kit, page 39 (Purification of DNA from Bacterial Culture Samples).