



XploreGen Discoveries Pvt. Ltd.

## SAMPLE SIZE

1. **Bacterial culture plate-**  
Take a pinch of the culture with a loop
2. **Bacterial broth-** Take 2 ml of sample in a 1.5 ml tube and centrifuge at 10,000 rpm for 5 minutes at rt. Discard supernatant

## IMPORTANT NOTES

1. Wear gloves and lab coat when handling the buffers
2. Add the required volume of ethanol (96-100%) to **XBA 4** before use.
3. Vortex the beaded vial for 2-3 sec
4. Perform all the centrifugation steps at room temperature.
5. Gently shake the reagents before using.

## KIT CONTENTS (50/100/250)

1. XBA1-70ml/140ml/350ml
2. XBA2-10ml/20ml/5
3. XBA3-30ml/60ml/150ml
4. XBA4-30ml/55ml/130ml
5. XBA5-3ml/6ml/15ml

## BACTERIAL DNA EXTRACTION PROTOCOL

1. Add 1400 µl of **XBA 1** to the beaded vial.
2. Add the sample in the beaded vial containing XBA 1.
3. Horizontal vortex the vial at maximum speed for 15 minutes.
4. Centrifuge the tube at 10,000 rpm for 2 minutes at room temperature (RT)
5. Transfer 700 µl of supernatant to a sterile 2 ml vial.
6. Add 200 µl of **XBA 2** solution and vortex for 5 seconds
7. Centrifuge at 10,000 rpm for 2 minutes.
8. Transfer 750 µl Supernatant to a clean sterile 2ml vial.
9. Add 600 µl of **XBA 3** solution to the supernatant and vortex for 5 seconds.
10. Transfer 700 µl of Lysate to the spin column (Do not discard the residual lysate) and Centrifuge at 10,000 rpm for 2 minutes.
11. Discard the flow through.
12. Repeat the above (10 to 11) steps to collect all the Lysate.  
(Ensure the entire lysate is processed via the spin column)
13. Add 500 µl of **XBA 4** to the spin column and Centrifuge at 10,000 rpm for 2 minutes.
14. Discard the flow through.
15. Centrifuge the empty spin column for 5 minutes at 10,000 rpm.
16. Place the spin column into a sterile 1.5 ml vial.
17. Add 30 µl of **XBA 5** (Elution 1) to the center area of spin column and centrifuge for 5 minutes at 10,000 rpm.
18. Place the spin column to a new sterile 1.5ml vial.
19. Add 25 ul of **XBA 5** (Elution 2) to the center area of spin column and centrifuge for 5 minutes at 10,000 rpm.
20. Discard the spin column and store both elution tubes for further processing.

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