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GRS Genomic DNA Kit – Blood & Cultured Cells - #GK02.0100

(FOR RESEARCH ONLY)

SUGGESTED PROTOCOL FOR DNA PURIFICATION FROM BACTERIA

GRAM-NEGATIVE BACTERIA

1) Transfer up to 1x10^9 cultured bacterial cells to a 1,5-ml microcentrifuge tube, centrifuge for 1 minute at 14.000g-16.000g and discard the supernatant
2) Resuspend the bacterial pellet in **200µl of Buffer BC2** and incubate at room temperature for 5 minutes. Proceed with the lysis step of the cultured cell protocol (page 6).

GRAM-POSITIVE BACTERIA

1) Transfer up to 1x10^9 cultured bacterial cells to a 1,5-ml microcentrifuge tube, centrifuge for 1 minute at 14.000g-16.000g and discard the supernatant
2) Resuspend the bacterial pellet in **200µl Lysozyme Buffer[1]** and incubate at room temperature for 10 minutes. During incubation, invert the tube regularly. Proceed with the lysis step of the cultured cell protocol (page 6).

[1] Lysozyme Buffer = 20mg/ml Lysozyme; 20mM Tris-HCl pH 8.0; 2mM EDTA; 1% Triton X-100 (prepare fresh immediately prior to use)