SHORT PROTOCOL

GRS PCR & Gel Band Purification Kit &
LITE PCR & Gel Band Purification Kit

(FOR RESEARCH ONLY)

If you are using this product for the first time and/or are unfamiliar with the procedure, please read the complete product information data sheet, which can be downloaded from the product page on our website.

PROTOCOL FOR GEL BAND PURIFICATION AND PCR CLEAN-UP

1) **(For Gel Band)** Transfer up to 300mg of agarose gel containing DNA of interest to a 1.5-ml microcentrifuge tube, add 500µl of the Gel Solubilization Solution and vortex briefly. **(For PCR Clean-up)** Transfer up to 100µl of PCR reaction solution to a 1.5-ml microcentrifuge tube, add 5 volumes of Gel Solubilization Solution and skip step 2.

2) **(For Gel Band)** Incubate at 55ºC-60ºC until the gel slice has been dissolved completely (10-15min). During incubation, invert the tube regularly. Afterwards, allow the sample mixture to cool to room temperature.

3) **(optional)** If the mixture has turned purple, add 10µl of 3M Sodium Acetate pH 5.0 mix thoroughly.

4) Place the DNA fragment mini spin column in a 2-ml collection tube and transfer up to 800µl of the sample mixture to the column, and centrifuge at 14,000g-16,000g for 30 seconds.

5) **(For Gel Band)** Wash 1x with 400µl Wash Buffer 1 and 1x with 600µl Wash Buffer 2. **(For PCR Clean-up)** Wash 1x with 600µl Wash Buffer 2. **(For sequencing-grade)** Wash 2x with 600µl Wash Buffer 2

6) After centrifugation for 30 seconds, discard the flow-through and place the column back in the collection tube. Centrifuge at 14,000g-16,000g for another 3 minutes to dry the matrix of the column.

7) Transfer the spin column to a new 1.5-ml microcentrifuge tube and elute with 20µl-50µl of (pre-warmed) Elution Buffer. Use DNA immediately or store at -20ºC.