## **Qualitative Analysis of DNA template for Sanger Sequencing**

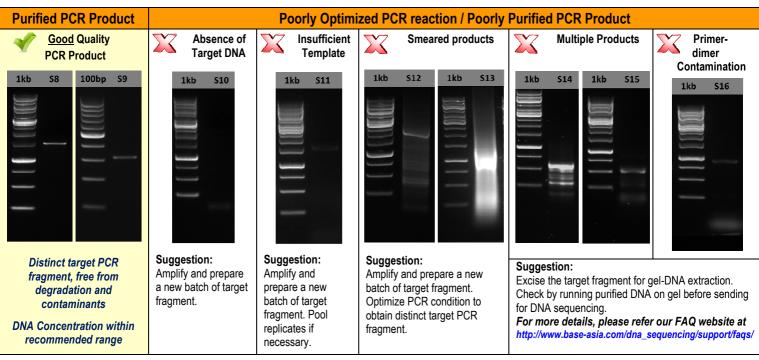
Poor quality DNA templates compromise DNA sequencing results ... Maximize your success with well-prepared DNA templates!

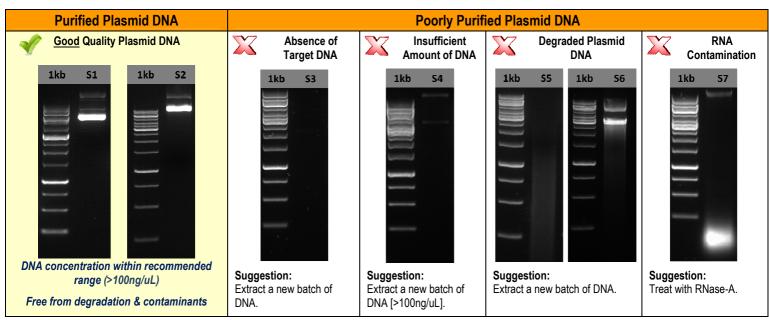


## Recommendation: Verify DNA template quality through Agarose gel electrophoresis

- 1. Recommended Gel % for :
  - a. Plasmid DNA & PCR fragments ≥ 400bp, run samples on 1% Agarose gel with 1kb DNA ladder
  - b. PCR fragment < 400bp, run samples on 2% Agarose gel with 100bp DNA ladder
- 2. Load 0.5µg DNA ladder into the first lane, and 1µL of your DNA sample per lane. Run gel electrophoresis, and view gel profile.
- 3. Capture and print the gel image. Label specifically the name & lane number of the DNA ladder & sample loaded per lane.
- 4. Attach the gel photo along with your purified DNA samples. Email the gel photo with your Order Form to 1st BASE.

## **Reading Your Gel Photo**





Note: The DNA ladder is not applicable for sizing comparison of non-linear DNA samples (e.g. plasmid DNA).

## For enquiries:

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