

## Quick Guide

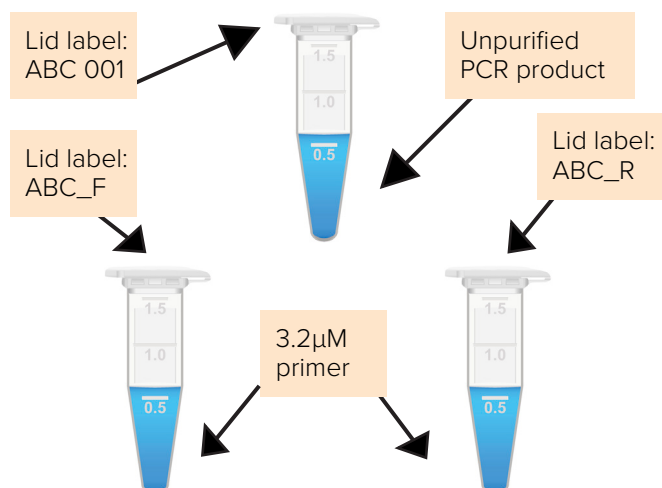


For this service, you need to submit your unpurified amplicon and the necessary primers separately.

- Unpurified PCR Products
  - Run an aliquot on a gel to check for a single, clean band and estimate concentration.
  - Submit a 20 $\mu$ L volume.
  - Minimum amplicon concentration depends on size.

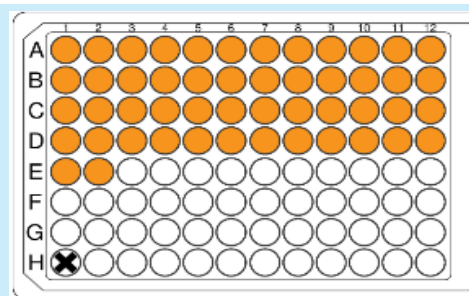
Template Size	Recommended Quantity
PCR product 100 - 200 bp	1.5 ng/ $\mu$ L
PCR product 200 - 400 bp	3 ng/ $\mu$ L
PCR product 400 - 600 bp	4.5 ng/ $\mu$ L
PCR product 600 - 800 bp	6 ng/ $\mu$ L
PCR product 800 - 1200 bp	7.5 ng/ $\mu$ L
PCR products > 1200 bp	Contact AGRF

- Primer
  - One primer for single direction sequencing, two primers for dual direction.
  - Submit at 3.2 $\mu$ M.
  - Submit 3 $\mu$ L per tube sample (minimum 10 $\mu$ L), or 200 $\mu$ L per plate.
  - T<sub>m</sub> of 55 - 60°C.
  - Refer to Sanger Service Guide for primers available at AGRF.



- Labelling
  - Label on the tube lids and on side for long names.
  - Where possible use simple naming on the tube lid, such as your initials and a sample number.
  - If submitting > 12 tubes, number the tubes in sequential order for easy sorting.
  - Use \_F and \_R suffixes for dual direction primer names.

- Plates
  - Full Plate (95 samples): Discount applies.
  - Plate format (<95 samples): Tube pricing applies.
  - Seal the plate using a heat seal and label on the side with your submission name.
  - Fill every well of each row/column without skipping.
  - Leave well H1 empty.
  - If submitting a plate with multiple primers, submit a primer plate, with 5 $\mu$ L of 3.2 $\mu$ M primer in each well matching the sample position in the sample plate.



- Submission
  - Log in to your account by visiting the AGRF website > Log-in > Submit Your Samples.
  - Complete the submission form.
  - Print out submission receipt, include with your samples and send to AGRF.

Contact us: 1300 247 301  
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