

## MICROMON SANGER SEQUENCING

### USER GUIDE FOR SUBMITTING PREMIXED TEMPLATE-PRIMER IN PLATES FOR THE FULL CYCLE SEQUENCING SERVICE

- Plate type MUST be half-skirt, equivalent to the Axygen PCR-96M2-HS. We can supply these Axygen plates, and a silicone sealing mat, to you for \$2.50 per plate on request.
- If submitting half plate lots (48 samples or less) please use only the ODD wells or the EVEN wells but NOT a combination of both. Our genetic analyser is a 48 capillary instrument and processes 48 samples per run from the odd wells or the even wells.
- Use the following guide to determine how much template and primer to add to each well. The final volume needs to be made up to 15.5 ul with MilliQ grade water.

TEMPLATE	SIZE	AMOUNT
Plasmid		300 ng
PCR Product	100-200 bp	5 ng
	200-500 bp	10 ng
	500-1000 bp	20 ng
	1000-2000 bp	40 ng
	2000 bp +	80 ng
Large DNA (BAC's, Cosmids)		0.5-1.0 ug

**Primer**                      3-5 pmoles (1 µl of 3-5 µM solution)  
**MilliQ water**                as required for final volume of 15.5 ul

- We can add our [standard stock primers](#) to your reactions at no extra charge but please allow for this and let us know. Seal the plate and deliver to Micromon for processing.
- Please ensure that you label each plate with the unique iLab identifier generated when you make the request in iLab, and that this identifier and the plate name are shown on both sides of the plate.
- For further queries, please contact our sequencing staff on 9905 4847.