

GROWING

Source Plate _____

Date: _____

Name: _____

Name: _____

ALIQOT & RESTRICTION DIGEST

Supplies Needed

- ☐ (1) 96-deepwell square plates (Dilution Plate)
- ☐ (2) 96w red skirted PCR plates (Sequence and Restriction Digest)
- ☐ (1) Box of 10ul Multichannel Tips
- ☐ (1) Box of 200ul Multichannel Tips
- ☐ Appropriate Labels

Aliquot DNA

- ☐ *Thaw Reserve plate, vortex gently and spin down*
- ☐ *Using multichannel pipette, remove 3ul for a sequence plate*
- ☐ *Using multichannel pipette, remove 10ul for restriction digests*
- ☐ *Using multichannel pipette, remove 86ul for dilution plates*
- ☐ *Make sure all plates are covered securely with foil, and stored in 4C fridge*

Adding TE and Cresol Red

- ☐ *Take Dilution plates, and add in 1364ul of 90% TE with 10% Cresol Red (1% solution)*
- ☐ *Cover with foil, vortex gently, store in 4C fridge*

Restriction Digest

- ☐ *Prepare Master Mix according to chart*
- ☐ *Using multichannel pipette, remove 10ul for restriction digests*

Digest

Digest Master Mix		20 ul	98 Rxns
Total 1,960 ul		Std.	Adj.
58.8 ul	Enzyme 1	2.0%	3.0%
58.8 ul	Enzyme 2	2.0%	3.0%
58.8 ul	BSA	2.0%	3.0%
294 ul	Buffer 2	10.0%	15.0%
1,490 ul	H2O		

20 ul MM

10 ul from Reserve

Total 30 ul