

2011 Distribution

Source Plate _____

Date: _____

Name: _____

Name: _____

CELL CULTURE PREP and IMAGING

Clear off benchtop working area

- ☐ Clear and wipe down benchtop with 70% ethanol

Remove Plates from Incubation

- ☐ Remove MP plates from MacConnell and AB plates from shaker at 9am
☐ Remove Glycerol plates A and B from shaker at _____ (need 12hrs) and leave in 4C fridge

OD Cell culture of MP plates and Glycerol plates

- ☐ Resuspend wells that you will be testing, by pipetting up and down
☐ Prepare an LB blank and an LB w/ glycerol blank (300ul LB + 37.5ul 80% Glycerol)
☐ Save all data to Reports >> 2011 Distribution >> Cell Culture

OD RESULTS	MP Copy A	MP Copy B	MP Copy C	MP Copy D	GLY Copy A	GLY Copy B
1D						
6D						
12D						

- ☐ Cover Glycerol plates with foil, vortex gently, store in -80C

Pellet MP and AB Test Plates

- ☐ Weigh MP and AB plates to make sure they are within a couple grams of each other
☐ Spin MP plates at 3500rpm for 5 minutes
☐ Discard broth in plastic sink container and add 10% bleach, pat plates down on paper towels
☐ Spin AB plates at 3500rpm for 5 minutes
☐ Discard broth in plastic sink container and add 10% bleach, pat plates down on paper towels

Image MP and AB Test Plates

- ☐ Set up tripod legs within taped squares, check balance
☐ Open light box mirror all the way, and turn on light box
☐ Set camera up on tripod, make sure camera is set to standard parameters (as described in Imaging Instructions)
☐ Take pictures of (4) Miniprep plates
☐ Take pictures of (4) AB test plates
*Take 2 pictures of each plate: (1) Plate and label, (1) Zoomed in on plate only
☐ Cover plates with foil and store in 4C fridge

Edit images in Photoshop

- ☐ Import all pictures to Raw Folder in 2011 Distribution Folder
☐ Open pictures in Photoshop, flip, crop and alter image size
☐ Save images as SP # - Plate Type (ex. SP 4001 - MPA)
☐ Upload pictures to appropriate Source Plate page in Repository