

Protocol for measuring GFP expression

Pick a single colony with required two plasmids from a selective plate and inoculate a culture of 3ml LB medium containing the appropriate antibiotic;

Incubate under blue light at 30°C for about 20 hours;

Dilate the culture 500 hundred times with fresh LB medium containing the appropriate antibiotic;

Incubate samples at 30°C for 16 to 20 hours with varied time exposed to blue light and then incubate in dark;

Harvest the sample by centrifuge and resuspend with equal amount of PBS;

Measure the OD(wavelength 600nm) and fluorescence(excitation:470nm, detection:507nm) ;