

PCR -Extracting backbone from pcDNA mRuby2

Template (pcDNA mRuby2):

- 1) Stock solution 352.1 ng/ μ l
- 2) Diluted 0.5 μ l: 49.5 μ l (nuclease free water) in order to get 3.52 ng/ μ l
- 3) 0.85 μ l added to aliquot

Primers:

- 1) Fwd: 25.6 nmol
- 2) Rev: 23.3 nmol

Both diluted X500:

- added 10 μ l nuclease free water to original tubes
- 1 μ l to 49 μ l water

Ready mix	10 μ l
Fwd primer	0.39 μ l (0.02 nmol)
Rev primer	0.43 μ l (0.02 nmol)
Template	0.85 μ l
Nuclease free water	8.33 μ l
Total	20 μ l

PCR program iGEM -1

Gel Analysis-

0.8% Agarose, load 3 μ l, use extraction kit for the rest