Measurement of pRSET-iGluSnFR DNA Concentration

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Protocol:

1. Cleaned NanoDrop spectrophotometer with DI water
2. Blanked NanoDrop with 2 µL Elution Buffer
3. Cleaned NanoDrop before loading 2 µL pRA
4. Repeated step 3 for all pRSET-iGluSnFR samples

Results:

Sample	DNA Concentration	Volume	Mass
pRA	148.6 ng/µL	24 µL	3566.4 ng
pRB	139.8 ng/µL	25 µL	3495 ng
pRC	158.7 ng/µL	26.3 µL	4173.81 ng
pRD	164.4 ng/µL	23.4 µL	3846.96 ng
pRE	173.1 ng/µL	24.2 µL	4189.02 ng
pRF	113.2 ng/µL	24.6 µL	2784.72 ng
pRG	139.5 ng/µL	25.2 µL	3515.4 ng
pRH	140.6 ng/µL	26 µL	3655.6 ng

Conclusion: We will select and digest one of these sample to generate template DNA for the insertion of the genes FadB (G4.1), FadA (G4.2), and yafH (G4.3).