Plasmid Isolation

Experimental Aim: To isolate pET28a from transformed DH5-Alpha cells using the MN NucleoSpin plasmid isolation kit. Controls taken: DH5-Alpha without pET28a in LB+kan (negative control) [sample2]

Observations:

No pellets seen after first centrifugation in sample 2 whereas pellets were observed in sample 1.

Sample	LB	Antibiotic (Stock Conc.)	Antibiotic (Working Conc.)	Observations after 13 hrs
pET28a (NL)	5 mL	100 mg/mL of Kan	50 ug/mL of Kan	Turbid
Negative Control	5 mL	100 mg/mL of Kan	50 ug/mL of Kan	No turbidity

Nanodrop Result

	ng/uL	A 260/ A280	A 260/A 280
Sample 1	8.8	1.58	0.63
Sample 2	2.9	1.76	0.88

Agarose Gel Electrophoresis

Experimental aim: To run the plasmid isolated from Sample 1 and Sample 2 along with plasmid isolated on 14-05-2021 for conformation of plasmid.

Observation:

Sample 1:

No bands observed

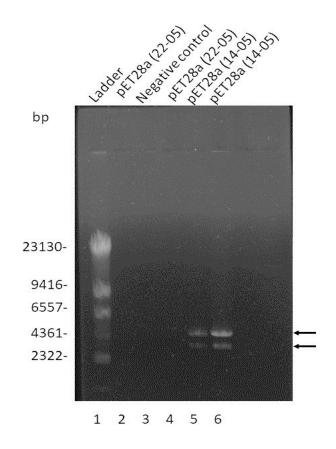
Sample 2:

No bands observed

Plasmid isolated on 14-05-2021

2 bands were observed between 4kb and 2kb

Agarose Gel Electrophoresis



Ladder: Lambda DNA digested with HindIII