



27725

Plasmid Isolation Kit from Bacterial cells (Teaching)

Part E

Specifications

Evaluation

Components of the kit were tested for isolation of plasmid DNA from bacterial cells according to the protocol

Stability

Cell pellets should yield plasmid DNA till the end of the expiration date

A260/A280

1.7 ~ 1.9

Other Information

Description

The overall goal is to isolate extra-chromosomal, plasmid DNA from bacterial cells that contain the plasmid. The cells are first re-suspended in a suitable buffer (that minimizes nuclease activity) and ruptured to release the cellular contents. Subsequently, the plasmid DNA and RNA are separated from genomic DNA. Finally, by decreasing the "effective concentration" of water, the plasmid DNA is precipitated through sheer desolvation effects. If desired, the contaminating RNA can be removed by digestion with RNase A.

Includes

Components	15 Experiments	25 Experiments
Bacterial Cell Pellet	18 vials	28 vials
Solution I	3 ml	5 ml
5 N NaOH	400 mcl	750 mcl
10% SDS	1 ml	3 ml
Sterile water	10 ml	30 ml
Solution III	4 ml	10 ml
DNA precipitation solution	14 ml	25 ml
Wash solution	14 ml	25 ml
TE buffer	500 mcl	750 mcl
Gel loading dye	100 mcl	200 mcl
Agarose	1.5 gm	2.5 gm
Ethidium bromide	30 mcl	75 mcl
50X TAE buffer	25 ml	50 ml
Plasmid control	60 mcl	100 mcl

General Information

Storage	Includes components ranging from RT to -20°C
Shelf Life	6 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
15 expt. Kit	38229090 (GST 12%)
25 expt. Kit	38229090 (GST 12%)

Available Packages

15 expt. Kit

25 expt. Kit

Disclaimer

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