



52166

SpinCol Plasmid Miniprep Kit From Bacterial cells (Teaching)

Part E

Specifications

Agarose gel electrophoresis	Extracted Plasmid DNA is compared with Plasmid Control
A260/A280	1.6-1.9
Absence of nucleases	None detected
Stability	Stable for one year

Other Information

Description

SpinCol Plasmid Miniprep Kit is designed for rapid and cost-effective small-scale preparation of high quality plasmid DNA from recombinant E.coli cultures. The kit utilizes an exclusive silica-based membrane technology in the form of a convenient spin column. The actual plasmid yield and optimal culture volume depend on the plasmid copy number and medium used for cultivation. Pelleted bacterial cells are resuspended and subjected to SDS/alkaline lysis to liberate the plasmid DNA. The resulting lysate is neutralized to create appropriate conditions for binding of plasmid DNA on the silica membrane in the spin column. Cell debris and SDS precipitate are pelleted by centrifugation, and the supernatant containing the plasmid DNA is loaded onto the spin column membrane. The adsorbed DNA is washed to remove contaminants, and is then eluted with a small volume of the Elution Buffer (10 mM Tris-HCl, pH 8.5). The RNA is removed when the cell pellets are resuspended in the resuspension buffer containing RNaseA.

Includes

Components	20 Experiments	50 Experiments
Spin Column	20 Nos	50 Nos
Resuspension Solution	6 ml	14 ml
Lysis Solution	6 ml	14 ml
Neutralizing solution	8 ml	20 ml
Binding Buffer	12 ml	28 ml
Wash Buffer	25 ml	60 ml
Elution Buffer	1.0 ml	2.0 ml
Cell pellets (3ml)	20 Nos	50 Nos
Rnase A (10mg/ml)	240 mcl	600 mcl
Plasmid Control	80 mcl	150 mcl
6x Gel loading dye	60 mcl	120 mcl
Ethidium Bromide	50 mcl	250 mcl
Agarose	1.5 g	3.0 g
50X TAE Buffer	25 ml	50 ml

General Information

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

Available Packages

20 expt. Kit

50 expt. Kit

Disclaimer

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