18450

Restriction Digestion Kit (Teaching)

Part E

Specifications

Appearance (Form)	Liquid
DNA Digestion	DNA was digested with the two restriction enzymes at 37°C in a period of one hour
DNA degradation	DNA was incubated at 37°C for 24 hours

Other Information

Description	The aim of the experiment is to cleave a given DNA specifically at particular sequences using restriction enzyme. This simple but powerful technique has been the mainstay in experimental molecular biology of DNA to generate fragments of defined sizes and having proper ends for cloning, release cloned fragments of DNA, characterizing a given DNA by restriction mapping and use such a map to differentiate between closely and distantly related genes or DNA. In this experiment, use of restriction enzymes, in restriction mapping of lambda DNA by digestion with two enzymes Hind III and EcoRI is demonstrated.

Includes

Components	10 Experiments	50 Experiments
Lambda DNA(250 ng/mcl)	160 mcl	1.0ml
Agarose	1 gm	1.5 gm
50 X TAE stock Buffer	25 ml	50 ml
Ethidium Bromide	30 mcl	100 mcl
6 X Gel loading Dye	200 mcl	500 mcl
10 X Assay buffer for Hind III	100 mcl	250 mcl
10 X Assay buffer for EcoR I	100 mcl	250 mcl
Hi - Range marker	60 mcl	150 mcl
Sterile Water	500 mcl	1.5 ml
EcoRI (1U/3mcl)	100 mcl	200 mcl
Hind III (1U/3mcl)	100 mcl	200 mcl

General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	12 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
10 expt. Kit	38229090 (GST 12%)
50 expt. Kit	38229090 (GST 12%)

Available Packages

10 expt. Kit
50 expt. Kit

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