Lab Unlimited
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LABORHITS

Plasmid Purification-Kits I-Blue Mini / Midi

Features

- Fast extraction time
- High yield
- Prevention of handling errors during cell lysis and neutralisation by I-Blue colour indicator

Sample Packs Available!

For rapid and efficient extraction of plasmid DNA from bacterial cells.
The method is based on a combination of alkaline lysis and RNase treatment to obtain a clear lysate with minimal genomic DNA and RNA contamination. The bound plasmid DNA is washed and finally eluted by adding a buffer. The test kit contains the I-Blue Lysis Buffer, an optional colour indicator. The use of this indicator prevents common handling errors that impair efficient cell lysis and neutralization.

Specifications
I-Blue Mini Plasmid Kit // I-Blue Midi Plasmid Kit

Method: Spin column // Anion-Exchange
Sample size: 1 - 7 ml //
50 - 100 ml high-copy Plasmid/100 - 150 ml low-copy Plasmid
Binding capacity: 50 µg // 500 µg
Fragment size: 1 - 15 kb // 1 - 20 kb
Typical yield: up to 50 µg // 200 - 500 µg
Operation Time: <15 min. // <80 min.

Type	Description	For	PK	Cat. No.
I-Blue MIDI	Gravity flow	25 preps	1	**4.661 764**
I-Blue MINI	Spin column	100 preps	1	**4.661 766**
I-Blue MINI	Spin column	300 preps	1	**4.661 769**

Lab Unlimited | Tallaght Business Park | Whitestown | Dublin | D24 RFK3 | Ireland
Phone: +353(0)1 4523432 | Fax: +353(0)1 4523967 | E-mail: info@labunlimited.com | Web: www.labunlimited.com

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Gel/PCR/DNA Fragment Extraction Kit

Features
- High recovery rate
- Short process time
- One test kit for two methods

Sample Packs Available!

The test kit was developed to obtain or concentrate DNA fragments from agarose gels, PCR or other enzymatic processes.
The agarose gel is dissolved, the enzymes are denatured and the DNA fragments will bind to the glass fiber matrix in the spin column. Wash buffers (containing ethanol) are used to remove contaminants and a low salt elution buffer is used to recover the purified DNA fragments. Recoveries are 90 - 95 % for PCR clean-up. With this kit, PCR purification and gel extraction procedures can be performed, so that a second test kit is not necessary.

Specifications
Sample size: up to 300 mg of agarose gel / up to 100 µl of PCR product
Binding capacity: 10 µg DNA
Fragment size: <10 kb
Typical yield: 80 - 90 % gel extraction / 90 - 95 % PCR clean-up
Operation Time: <20 min.

For	PK	Cat. No.
100 preps	1	**4.661 770**
300 preps	1	**4.661 771**

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