

GoldHi EndoFree Plasmid Maxi Kit

- High yield and quality product
- Fast speed and high compatibility

Endotoxin is a common contaminant in plasmid extraction that can affect plasmid transfection efficiency. This kit provides a simple, rapid and efficient method for the extraction of low endotoxin plasmids. Based on conventional alkaline lysis method, the new and unique silicon membrane binds plasmid DNA efficiently and specifically. At the same time by using a special buffer system and endotoxin removal filters, impurities such as endotoxin, genomic DNA, RNA, proteins are effectively removed.

Features

- **High yield of extraction:** 2 mg endotoxin-free plasmids can be extracted from 100-300 ml bacterial solution.
- **Fast extraction speed:** Column extraction method, equipped with a unique lysis solution and endotoxin removal filter, the whole extraction process only takes 40 minutes.
- **High quality products:** Obtained plasmid DNA is suitable for transfection experiments.
- **Good compatibility:** Suitable for various target plasmids with different sizes and copies.

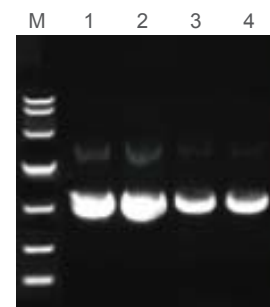
High yield of extraction

100-300 ml of bacterial culture can be processed each time, and up to 2 mg of transfection-grade plasmid DNA can be obtained. The entire extraction process takes only 40 minutes.

Example

Plasmid extraction results from DH5 α bacterial solution using CoWin's GoldHi Endotoxin-Free Plasmid Maxi Kit and Qiagen's Endotoxin-Free Plasmid Extraction Kit, respectively.

The results showed CoWin's reagents got better results.



M: CWBIO SuperStain DNA Marker
1,2: plasmid extracted by CoWin's GoldHi EndoFree Plasmid Maxi Kit
3,4: plasmid extracted by Qiagen Endotoxin-Free Plasmid Extraction Kit

More compatible

CoWin's GoldHi EndoFree Plasmid Maxi Kit is suitable for different kinds of plasmids, including High-copy, low-copy, cosmid DNA and various target plasmids with different sizes and copies.

Example

The results of extracting pMD18-T plasmid and pXC plasmid using GoldHi EndoFree Plasmid Maxi Kit and it shows CoWin's kit is highly suitable for both.



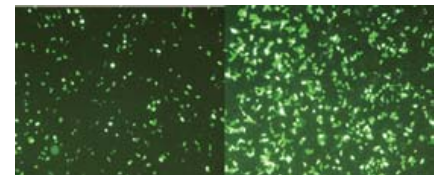
M: CWBIO SuperStain DNA Marker
1,2: pMD18-T (2.6 kb)
3,4: pXC (7 kb)

Endotoxin-free and high transfection efficiency

This kit provides a simple, rapid and efficient method for the extraction of endotoxin-free plasmids. Using a special buffer system and endotoxin removal filters, impurities such as endotoxin, genomic DNA, RNA, proteins are effectively removed.

Example

The plasmid extracted by GoldHi EndoFree Plasmid Maxi Kit is transfected into human Myelogenous Leukemia cells and Hela cells. The results showed that the kit achieved high transfection efficiency.



Endotoxin-free plasmid for cell transfection
Leukemia cells (left)
Hela cells (right)

Applications

The plasmids obtained from the kit have high purity and high yield and are particularly suitable for transfection experiments. The plasmids can also be used for DNA sequencing, PCR, in vitro transcription, restriction endonuclease digestion and other experiments

Ordering Information

Catalogue	Product	Volume
CW2104M	GoldHi EndoFree Plasmid Maxi Kit	10 preps