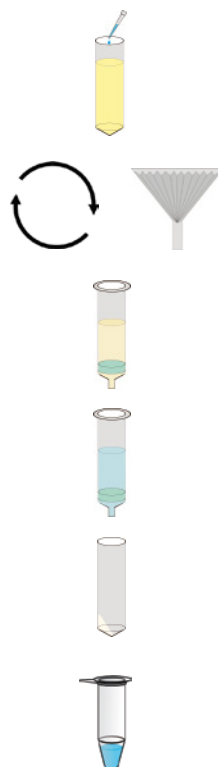


peqGOLD XChange Plasmid Maxi Kit

For the isolation of up to 520 µg plasmid DNA per preparation

Anion exchange technology ensures highly pure and intact plasmids of up to 300 kbp



peqGOLD XChange Plasmid Maxi Kit protocol

Pellet bacteria from overnight culture.
Add Solution I, Solution II and Proteinase K to achieve lysis.
Neutralise by adding Solution III.

Pellet or filter chromosomal DNA and cellular debris.

Load clarified lysate onto the column to bind plasmid DNA.

Wash and elute DNA.

Precipitate plasmid DNA with isopropyl alcohol.
Alternatively use peqGOLD XChange Plasmid Purification Kit.

Resolve DNA with TE buffer or dH₂O

PRODUCT HIGHLIGHTS

- Quick and easy protocol
- Isolation of highly pure plasmid DNA from 30 to 500 ml overnight culture
- Short hands-on and preparation times of only 80 min
- Clarifying of the lysate by special pre-filters
- Plasmids efficiently bind to positively charged methylethylamine groups
- High flow rates and short preparation times
- No need for centrifugation steps effectively protects DNA during extraction
- Complete enzymatic degradation of all cellular nucleases
- Complete enzymatic degradation of all cellular RNAs
- Efficient removal of enzyme inhibitors and contaminants
- Plasmid DNA is suitable for high transfection efficiencies

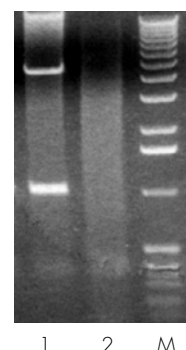
PERFORMANCE XCHANGE PLASMID MAXI KIT

- Protocol time: 80 min
- Binding capacity: 520 µg/column
- Culture volume: 30 to 150 ml (HC)
100 to 500 ml (LC)
- Yield: 450 to 520 µg
- Recovery: 90 to 95 %
- Vector size: < 300 kbp
- A₂₆₀/A₂₈₀: 1.80 to 1.95
- Clarifying of lysate: filter / centrifugation

KIT COMPONENTS

- XChange Maxi columns
- Folded filters
- Plastic washers
- Solution I, II and III
- EQ Buffer
- DNA Wash Buffer
- RNase A
- Elution Buffer

Plasmids isolated with the peqGOLD XChange Plasmid Maxi kit are highly pure and can directly be used for a wide range of downstream applications.



peqGOLD XChange Plasmid Maxi Kit analysis

Plasmid DNA was isolated from an endA⁺ bacterial overnight culture and digested with Xba I for 1 h.
1: XChange Plasmid Maxi kit DNA
2: Usual Plasmid Kit DNA
M: DNA-Ladder

PRODUCT	DESCRIPTION	YIELD	PREPS	CAT. NO.
peqGOLD	Plasmids from up to 500 ml culture	450 – 520 µg	10	12-7402-01
XChange Plasmid Maxi Kit			20	12-7402-02
			40	12-7402-03