

## Product Datasheet

# Vazyme - FastPure EndoFree Plasmid Maxi Kit (DC202-01)

**Catalog Number** DC202-01

**Description** This kit is suitable for extracting plasmid from 150-300 mL of the bacterial solution cultured overnight, using an improved SDS-alkaline lysis method to lyse the bacteria. The crude extract is selectively combined with a unique Endotoxin Scavenger and separated by centrifugation to remove endotoxins. Then, the silicon matrix membrane in the centrifugal adsorption column selectively binds to plasmid DNA in the solution under conditions of high salt and low pH. This is followed by addition of wash buffer to remove impurities and other bacterial components. Finally, a low-salt, high-pH elution buffer is used to elute pure plasmid DNA from the silicon matrix membrane. The silicon matrix membrane in centrifugal adsorption column employs imported special adsorption membrane, and the adsorption amount difference between the column and the column is very small and the repeatability is well. Phenol, chloroform and other toxic reagents are not required, and neither is ethanol required for precipitation. This kit can be used to rapidly extract 0.2-1.5 mg of pure high-copy plasmid DNA, with an extraction rate of 80% - 90%. The unique process formula removes endotoxin, the content of endotoxin is extremely low and the cell transfection effect is excellent. The extracted plasmid could be directly used in enzymatic digestion, PCR, in vitro transcription, transformation, sequencing and other molecular biology experiments.

**Storage** RNase A should be stored at -30 ~ -15°C for up to 12 months; The endotoxin scavenger can be stored at 2-8°C for one month, please store at -30 ~ -15°C for long-term storage; The other components of the kit are stored at room temperature (15 ~ 25°C).

**Note** For research use only

**Application notes** High Yield; Compatible with the extraction of plasmids of different lengths; The content of endotoxin is extremely low, and subsequent transfection level experiments can be done; Good stability

**Expiration Date** 12 months from date of receipt.

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