ONE LAB

High-speed centrifuge membrane is made of special material, showsalmost no binding to nucleic acids. It has a minimal thickness of 0.3 mm, making itan ideal component for nucleic acid purification.

Features

- **Can withstand high speed centrifugation**
- **Low adsorption to nucleic acids**
- **Very low void volume**

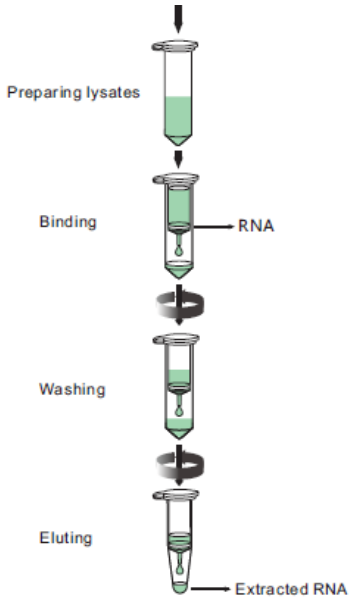
RNA extraction columns

RNA extraction columns are supplied with spin columns and collection tubes. The columns provide fast and reliable extraction of high quality RNA from tissues, cells, plants and blood with a binding capacity of20 µg. Extracted RNA is ready for use in many downstream applications, including Northern Blot, real-time PCR, translation and primer extension.

Features

- **Up to 20 µg high purity RNA**
- **Good integrity and high purity**
- **High quality with reproducible yields**

Experimental overview



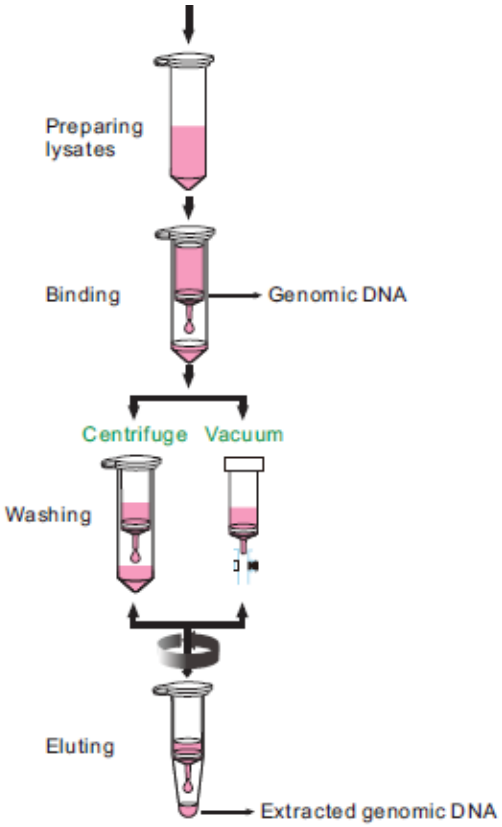
DNA extraction columns

DNA extraction columns are supplied with spin columnsand collection tubes. The columns provide fast and reliable extraction of high-quality DNA from a variety of samples including tissues, cells, plants and blood with a binding capacity of 20 µg.
Extracted DNA is ready for use in many downstream applications, including PCR, restriction digestion, sequencing and library construction.

Features

- **Up to 20 µg genomic DNA**
- **Large fragment size and high purity**
- **High quality and reproducible yields**
- **Suitable for many kinds of samples**

Experimental overview



Rapid and easy preparation of DNA and RNA

Binding

DNA / RNA is bound to the silica membrane under high salt conditions Interaction between DNA / RNA (hydrate shell is reversibly removed by chaotropic salt) and silica membrane

Washing

Contaminants are washed away under high salt and / or ethanolic conditions to keep the DNA / RNA bound to the membrane

Elution

DNA / RNA is eluted in low salt buffer or water, DNA / RNA is ready to use for downstream applications

Extraction columns			Volume	Fragment size
	Spin column	4 layer Silica membrane (white fixing rings)	2ml(0.8ml)	20-100 kb
	Spin column	6 layer Silica membrane (red fixing rings)	2ml(0.8ml)	20-100 kb
	Spin column	8layer Silica membrane (white fixing rings)	2ml(0.8ml)	20-100 kb
	Spin column	8 layer Silica membrane (Purple fixing rings)	2ml(0.8ml)	20-100 kb
	Spin column	10 layer Silica membrane (Blue fixing rings)	2ml(0.8ml)	Plasmid
	Spin column	12 layer Silica membrane (Red fixing rings)	2ml(0.8ml)	20-100 kb

- **These mini spin columns are useful for samples, including E Coli, agarose gel/PCR products, serum plasma, tissue, and whole blood.**