



PRODUCT INFORMATION **SPIN COLUMN WITH COLLECTION TUBE**

Product Information for SD5005:

Description:

Bio Basic Inc. (BBI)'s EZ-10 Spin Columns are packed with silica membranes to rapidly purify nucleic acid using a silica-based extraction method. The columns can be used to purify single- or double-stranded DNA from contaminants such as salts, solvents, enzymes or proteins. Nucleic acids are binded to the silica resins under high chaotropic salt concentrations, salts and impurities are removed during the wash step. Pure DNA is eluted from the membrane using water or TE buffer. This isolation method of DNA is faster and easier to perform than other organic-based extraction methods. The EZ-10 Spin Column complete with attached lid and with 2-ml collection tubes, it is really convenient to use.

Features:

1. Silica based materials.

Silica membrane with a fine capillary structure, fast flow rates and high loading capacity.

2. Selective adsorption of DNA.

The columns can be used following the "bind-wash-elute" procedure, DNA binding under high chaotropic salt conditions and elution under low salt conditions.

3. High yield and quality.

The capacity of a single column is up to 20 µg, the A_{260}/A_{280} of purified DNA ≥ 1.8 .

Applications:

- Nucleic acid purification
- Removal of contaminants
- Buffer exchange
- Library construction
- Microarray spotting
- PCR
- Cloning



Storage conditions & Stability:

Store at room temperature and when stored as indicated, this product is stable for two years.



Product details at-a-glance

Items	Specification
Material:	Polypropylene
Filter Style:	Absorbent
Working Volume:	0.7 mL
Funnel Capacity:	1.0 mL
Membrane Material:	Glass fibre (Silica fibre)
Membrane Pore Size:	N/A
Sterile:	No
Housing Material:	Polypropylene
Cap Style:	Snap Cap
Cap Material:	Polypropylene
Tube Capacity:	2 mL




Technical Specifications

	Inner Column	Outer Collection Tube
Max. volume*	750 µl	--
Diameter of filter	7.0 mm	--
Outside caliber	12.9 mm	12.8 mm
Inside diameter	7.0 mm	9.1 mm
External length	30.2 mm	40 mm
Inner depth	24.7 mm	--

*Not exceed 720 ul is recommended in practice.



Component:

	Picture
Complete Column with membrane	 A clear plastic column with a blue cap and a blue membrane at the bottom.
Inner Column (with filter or membrane)	 A clear plastic inner column with a blue cap and a blue filter/membrane at the bottom.
Collection Tube	 A clear plastic collection tube.
Rubber Washer *The color of O-ring may differ.	 Three rubber washers in different colors: green, yellow, and purple.