



## **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 or RNA 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/RNA is eluted from the membrane using water or TE buffer. This isolation method of DNA/RNA 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/RNA.**

The columns can be used following the "bind-wash-elute" procedure, DNA/RNA 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  $\geq 1.8$ , RNA  $\sim 2.0$ .

#### **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*	750µl	--
Diameter of filter	7.0mm	--
Outside caliber	12.9mm	12.8mm
Inside diameter	7.0mm	9.1mm
External length	30.2mm	40mm
Inner depth	24.7mm	--

\*Not exceed 720ul is recommended in practice.



**Component:**

	Picture
<b>Complete Column with membrane</b>	
<b>Inner Column</b> (with filter or membrane)	
<b>Collection Tube</b>	
<b>Rubber Washer</b> *The color of O-ring may differ.	