

## Discription:

**EZC101 and EZCR101 All-In-One Silica Membrane** DNA Mini Spin column and RNA mini spin column can be used for different applications by using different buffers and protocols. These columns can be used as low cost substitutes for all major manufacturers' RNA, micro RNA, plasmid DNA, viral and genomic DNA Kits including **Qiagen (Qiaprep, Qiaquick, Qiaamp, DNeasy, RNeasy, MiRNeasy, RNeasy MinElute)**, **Sigma (GeneElute)**, **Invitrogen (PureLink RNA or DNA)**, and **Promega (PureYield DNA or RNA)**. We also provide solution recipes for DNA mini-prep, DNA gel extraction, and PCR clean up for the users who want to make their own solutions.

## Features:

- High quality DNA and RNA in minutes for use in most applications including:
  - √Automated fluorescent sequencing/ capillary sequencing/Radioactive sequencing
  - √Restriction digestion, Screening, Ligation and transformation
  - √Transfection of robust cells
- Silica Membrane spin column
- No resins, No Phenol/Chloroform extractions, No ethanol precipitation
- Broad range recovery of DNA/RNA from short oligo/micro RNA from 20bp to 50kb genomic DNA by using different binding buffers and protocols
- Utilize All Major Manufacturers' RNA or DNA Kit Reagents:
  - √Qiagen: **Qiaprep, Qiaquick, Qiaamp, DNeasy, RNeasy, MiRNeasy, RNeasy MinElute**
  - √Sigma: **GeneElute**
  - √Invitrogen: **PureLink DNA, RNA, or Genomic DNA**



## Applications:

- DNA/RNA mini-prep
- DNA/RNA gel extraction
- Micro RNA preparation and clean up
- Genomic DNA preparation and clean-up
- Clean up DNA or RNA from:
  - √PCR (remove dNTP, primers and polymerase)
  - √Enzymatic reactions (remove restriction enzymes or buffer change)
  - √Labeling (removes unincorporated nucleotides, dyes, salts, detergent, or short oligo)
  - √Sequencing reaction (removes dNTPs, primers, enzymes, salts, unincorporated fluorescent dyes )

## Specifications:

- Silica membrane technology
- Polypropylene housing
- Used with microcentrifuge or vacuum manifold
- With cap on the spin column
- Elution volume: 25-200µl
- Column capacity: 800 µl
- Recovery fragment size: 20bp to 50kb
- Binding capacity: ~0.5mg nucleic acid
- Collection tube capacity: 2.0ml (~700µl without contacting column)