



## Tini Spin Columns for DNA (elution volume: 5-30 µL)

**Application:** Plasmid preparation from single colony; genomic DNA isolation cultured cells ( $10^1$ - $10^5$  cells), tissues, or LCM samples; DNA for genotyping from mouse tail snip (1 mm) or ear puncture; DNA extraction from gel pieces; DNA clean-up or concentration for samples of low concentration such as ChIP DNA and DNA of post enzymatic reactions; primer removal after PCR.

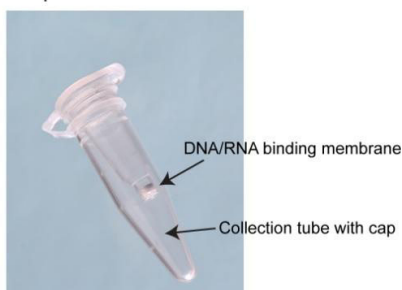
## DNA and RNA Tini Spin Columns (Advanced Design)

Cat#	Description	Quantity
EZC106	DNA Tini Spin Column	50ea
600	Plasmid DNA Tini-Prep kit from single colony	50 preps
601	Genomic DNA isolation kit (for tissues, cells, LCM samples, mouse tail, mouth swab etc)	50 preps
602	DNA cleanup & concentration kit for (ChIP assay, post enzymatic reactions etc.)	50 preps
603	PCR cleanup kit with primer removal (>100bp)	50 preps
604	Gel extraction kit (with Tini Column)	50 preps
EZC107	RNA Tini Spin column	50ea
700	RNA micro kit (RNA>200nt) from small number of Primary/Cultured cells, Tissues & LCM samples	50 preps
701	miRNA micro Kit (including miRNA>17nt & larger RNA) from small number of Primary/Cultured cells, Tissues& LCM samples (withTini spin Columns)	50 preps
EZCR302	RNA Kit for recovering both RNA>200nt & RNA>17nt separately from Animal/Human Cells & Animal Tissues (with EZshredder column+Tini RNA Columns)	50 preps
704New	<b>Column-zol</b> Total RNA micro kit with Tini column: Combined the advantages of chemical method with column method for isolation of high quality total RNA(>17bp) –RT readyt without DNase treatment	50

## Description:

DNA and RNA Tini Spin columns are designed to recover and concentrate small amount of DNA and RNA from Laser capture microdissection (LCM), 101-105 small number of primary/cultured cells, saliva, single colony (E.coli), small tissue samples, or mouse tails, as well as for DNA clean-up and concentration from ChIP Assay, gel, PCR or enzyme reactions. The advanced design of the Tini Spin columns has eliminated problems associated with dead volume and buffer retention, resulting in increased DNA/RNA recovery and purity, as well as minimizing the elution volume to as low as 5µL. All the solutions used for Tini Spin columns are compatible with those for Mini Spin columns, but only use 1/3 or 1/10 volume of each solution for Mini Spin columns.

Tini spin column in 1.65 ml collection tube



## Highlights:

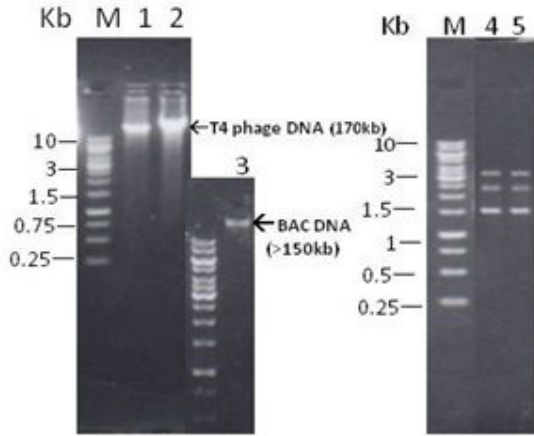
- **NO** buffer retention, **NO** dead volume
- **HIGH** recovery rate, **High** quality, **FAST** and **EASY** with 2 minute procedure.

**For Research Use Only not for diagnostic and clinical use**

Contact: **Antagene, Inc.** | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)

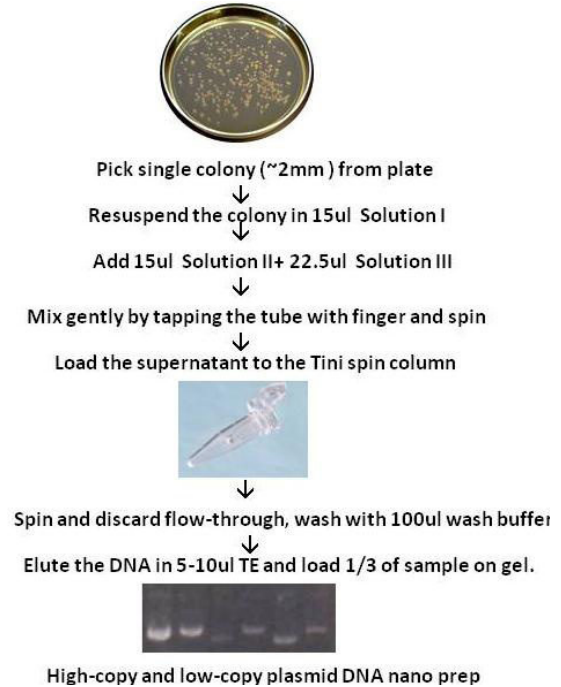
- **SMALL** loading and elution volume (5µl): Can be used for DNA/RNA nano-prep from single colony
- **Broad range** recovery of DNA/RNA from short oligo/micro RNA of **17bp to 140kb** DNA by using different binding buffer and protocols
- **Compatible** with most manufacturers' RNA or DNA Kit Reagents

### DNA/RNA Tini spin Column



- Can be used for high molecular weight genomic DNA preparation and clean up. See Lane 1-3
- \*DNA recovery is nearly 100%:
- Lane 4: 50ng DNA before column purification
- Lane 5: 50ng DNA after column purification

### Bench Protocol for DNA Tini-prep From Single Colony



### Applications:

- Concentrator (to the volume as little as 5µl): Oligo (>17bp), DNA, genomic DNA (<140kb), RNA, and micro RNA
- ChIP DNA clean-up and concentration (fast and efficient with high recovery in just 10 minutes).
- RNA isolation from LCM (laser capture microdissection) samples.
- Prepare nanogram to milligram amount of DNA or RNA from saliva, plasma, serum, whole blood, tissue samples (such as mouse tails), virus, bacterial, plants, or others sources.
- DNA/RNA nano-prep directly from **Single Colony** (>2mm diameter) on plate after E.coli transformation without growing 2ml overnight culture.
- DNA/RNA gel extraction
- Clean up DNA and RNA from PCR products, enzymatic reactions, labeling, sequencing reactions
- Micro RNA (Small RNA) preparation and clean up

### Specifications:

- Membrane technology for DNA/RNA size: 17nt to 140kb
- Used with micro-centrifuge or vacuum manifold
- Come with capped 1.5ml collection tubes
- Elution volume: as low as 5 µl
- Column capacity: 400 · 1
- Binding capacity: 10ng-20 · g
- Collection tube capacity: 1.5ml

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