

## KEY FEATURES

### Collection & Preservation

- ✓ RNA/microRNA/DNA/Proteins can be preserved for 2 years at room temperature
- ✓ EVs and EV associated RNA/Proteins can be stable for 2 years at room temperature
- ✓ Compatible with most DNA, RNA, and protein isolation methods
- ✓ Variety of collection tube sizes available
- ✓ Contains dried preservative

### Collection Tube Sizes

**5cc** (Cat. 18118) 1 mL - 5 mL

**15cc** (Cat. 18122) 5 mL - 15 mL

**50cc** (Cat. 18113) 5 mL - 45 mL

**120cc** (Cat. 18129) 100 mL - 120 mL

**Urine Preservative Single Dose** (Cat. 18126) For urine collection ranging from 5 mL to 50 mL



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ENHANCE YOUR LAB WITH THE COMPLETE  
WORKFLOW SOLUTIONS FROM NORGEN.



COLLECTION &  
PRESERVATION



ISOLATION &  
PURIFICATION



APPLICATION

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## Unlock the Power of Urine Biomarkers for Advanced Research & Molecular Diagnostics



## Isolation & Purification Kits

### WHOLE URINE



#### Total RNA

##### Urine microRNA Purification Kit

- Spin Column (Cat. 29000)

##### Urine Total RNA Purification Maxi Kit

- Slurry Format (Cat. 29600)
- Slurry Format 96-Well Kit (Cat. 29650)



#### Total DNA

##### Urine DNA Isolation Kit

- Column Format (Cat. 18100)
- Slurry Format (Cat. 48800)
- Maxi Slurry Format (Cat. 50100)



#### Cell Pellet

##### Urine Exfoliated Cell and Bacteria RNA Purification Kit

- Spin Column (Cat. 22550)

##### Urine DNA Isolation Kit for Exfoliated Cells or Bacteria

- Spin Column (Cat. 47050)



#### Protein

##### ProteoSpin™ Urine Protein Concentration Kit - Spin Column

- Micro Kit (Cat. 17400)
- Midi Kit (Cat. 52300)
- Maxi Kit (Cat. 21600)

### CELL-FREE URINE



#### cfRNA

##### Urine Cell-Free Circulating RNA Purification - Spin Column

- Mini Kit (Cat. 56900)
- Midi Kit (Cat. 57000)
- Maxi Kit (Cat. 57100)



#### cfDNA

##### Urine Cell-Free Circulating DNA Purification - Spin Column

- Mini Kit (Cat. 56600)
- Midi Kit (Cat. 56700)
- Maxi Kit (Cat. 56800)



#### Exosomes

##### Urine Exosome Purification - Spin Column

- Mini Kit (Cat. 57700)
- Midi Kit (Cat. 57800)
- Maxi Kit (Cat. 57900)

##### Urine Exosome RNA Isolation Kit

- Slurry (Cat. 47200)

##### Urine Exosome Purification and RNA Isolation - Slurry

- Mini Kit (Cat. 58400)
- Midi Kit (Cat. 58700)
- Maxi Kit (Cat. 58800)

## Application

### Compatible with Downstream Applications

NGS, Small RNA Sequencing, PCR/qPCR, Western Blot, Microarray, Epigenetics, Fetal NA Screening, Genotyping, Microbiome Research and more.

### APPLICATION IN RESEARCH & CLINICAL PRACTICE

#### Whole Urine

- ✓ Offers comprehensive view of urinary components, genomic/transcriptomic insights, and protein biomarkers.

#### Cell-Free Urine

- ✓ Facilitates non-invasive liquid biopsy for cancer.
- ✓ Detects tumor biomarkers and aids in monitoring and prognosis.

### DIAGNOSTIC APPLICATION

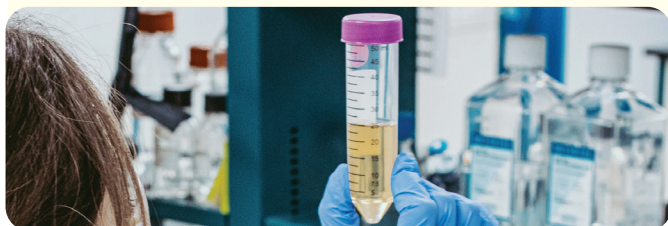
1. Liquid Biopsy for Cancer Detection
2. Infectious Disease Testing
3. Reproductive & Prenatal Health
4. Kidney & Metabolic Disorders
5. Toxicology & Drug Testing

## Publication

Comparison of Four Commercial Kits for Isolation of Urinary Cell-Free DNA and Sample Storage Conditions



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