



Innuscreen

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Sensor  
Technology

# innuPREP RNA Kit - IPC16

The innuPREP RNA Kit - IPC16, which has been optimized for the InnuPure C16 touch, makes it possible to automate RNA extraction from a wide variety of tissue samples and cells.

Each Reagent Plate is prefilled and ready to use for 8 samples.

Lysis is especially efficient and requires no more than 20 to 30 minutes to complete (depending on the starting material). Genomic DNA is then selectively removed via centrifugation with spin filter columns, a step that eliminates the need for time-consuming enzymatic DNA digestion. Subsequent steps, which include binding and washing of the total RNA, as well as the final elution step, take place in the InnuPure C16 touch and are fully automated. The extraction process is based on separation by magnetic particles, which bind RNA due to the adjusted buffer conditions. pre-filled Reagent Strips or Reagent Plates, prevent any potential contamination. The magnetic particles and extraction protocols have been specially adapted for isolating RNA and therefore guarantee highly pure RNA and excellent yields.

**Product Name:** innuPREP RNA Kit - IPC16

## Product details

**Low Throughput Device:** InnuPure C16touch

**Extract:** RNA

**Reactions:** 16 , 96 or 480 (IPC16 - Plate)

**Sample type/Starting material:** Eukaryotic cells  
Tissue samples

**Specifications:**

Optimized for isolating total RNA from a wide variety of tissue samples and cells

No need for highly toxic  $\beta$ -mercaptoethanol

Spin Filter column for selective DNA removal reduces time required (no DNase I digestion)

Greatly reduced contamination risk

Kit contains all consumables and pre-filled reagents

Based on magnetic particle separation in the InnuPure C16 touch

### **Starting material**

Eukaryotic cells (max.  $5 \times 10^6$ )

Various tissue samples (max. 20 mg)

Tissue samples with a high RNA content (e.g. spleen samples, pancreatic samples, lymph nodes, max. 5 mg)

### **Extraction time**

Lysis: Cells approx. 10 to 20 minutes

Tissue depending on type of tissue and homogenization

InnuPure C16 touch protocol: approx. 54 minutes

### **Average yield**

Depending on type and amount of starting material used

Eukaryotic cells (e.g. NIH 3T3 or HEK 293) up to 20  $\mu\text{g}$

Tissue samples (e.g. mouse spleen) up to 50  $\mu\text{g}$

### **Average purity**

1,8 - 2,1

## **The online shop**

Price: € 126.00

Content: 16 reactions

Please select packing  ▼