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 ß-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 x 10exp6)
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 µg
Tissue samples (e.g. mouse spleen) up to 50 µg

Average purity
1,8 – 2,1

The online shop

Price: € 126.00
Content: 16 reactions
Please select packing 16 reactions ▼