Innuscreen
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Sensor
Technology

smart DNA prep (a)

smart DNA prep (a) is a universal DNA extraction kit, which can be used with the InnuPure systems. Unmatched DNA yields with ideal quality can be automatically isolated from tissue samples, eukaryotic cells or pieces of rodent tails, as well as bacteria and yeast cells.
Each Reagent Plate is prefilled and ready to use for 8 samples.

After samples lysis all necessary steps are processed by using one of the pipetting platforms. The usage of Smart Modified Surfaces in combination with optimized pipetting routines efficiently avoids the shearing of DNA and allows for extraction of high molecular weight nucleic acids up to 500 kb. Those can be directly applied to subsequent analysis.
As an alternative to the standard, pre-filled, sealed extraction kits for InnuPure C16 touch, corresponding lower-cost non-filled kit variants are also available. These kits also contain all the plastics and reagents required for extraction.

Product Name: smart DNA prep (a)

Product details

Low Throughput Device: InnuPure C16touch
Extract: HMW DNA
Reactions: 16 , 96 or 480 (IPC16 - Plate)
Sample type/Starting material: Tissue
Rodent tails
Eukaryotic cells
Bacterial cell culture or pellets (gram+ & gram-) & Yeast
Specifications: Isolation of high-molecular-weight DNA from tissue samples, pieces of rodent tails, eukaryotic cells, bacteria and yeast cells
Enormous DNA yields and reduced preparation time
Minimum steps of preparation thanks to pre-filled, sealed Reagent Strips or Reagent Plates

Starting Material
Tissue samples up to 100 mg
Mouse tail pieces up to 1 cm
Rat tail pieces up to 0.5 cm
Eukaryotic cells up to 5x 106
Gram- or Gram+ bacteria (5 x 10exp4 up to 2 x 10exp9 cells)
Yeast cells 1 x 10exp5 up to 5 x 10exp8

Extraction Time
Lysis: depending on starting material
Automatic processing: approx. 30 to 65 minutes (depending on protocol and device)

Quality
1.7 – 2.0

Average Yield
Depends on sample and used volume

The online shop

Price: € 131.25
Content: 16 reactions
Please select packing 16 reactions ▼