smart Blood DNA Midi Direct prep (a)

smart Blood DNA Midi Direct prep (a) is a kit for extraction of genomic DNA from up to 1 ml whole blood samples. Pre-filled, sealed Reagent Strips or Reagent Plates can be used with InnuPure systems. The innovative 2-step lysis, consisting of collecting DNA-carrying cells and digestion, as well as all following purification steps are fully automated on the liquid handling platform of choice.
Each Reagent Strip is prefilled and ready to use for 1 sample.

The pre-installed routines on the InnuPure C16 systems in combination with the unique SmartExtraction pipette tip allow for isolation of high molecularweight DNA with excellent yield and purity. The Smart Modified Surfaces within the 1 ml tip guarantee highest binding capacity and avoid clotting, that often occur when using magnetic particles.
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 Blood DNA Midi Direct prep (a)

Product details

Low Throughput Device: InnuPure C16touch
Extract: HMW DNA
Reactions: 16 or 96 (IPC16 - Strip)
Sample type/Starting material: Blood, fresh or frozen (RNA only fresh)
Specifications:
Based on the unique SmartExtraction technology
Isolation of high molecular weight DNA up to 500 kb
Efficient 2-step lysis starts with collection of DNA-carrying cells followed by cell digestion using the extraction automat

Starting material
Whole blood samples of 0.2 to 1 ml

Fresh or frozen blood
Stabilizers: EDTA or heparin

Extraction time
Automatic processing:
approx. 80 to 165 minutes (depending on protocol and device)

Average yield
Depends on sample and used volume
0.5 ml whole blood: approx. 5 – 15 µg gDNA
1.0 ml whole blood: approx. 15 – 30 µg gDNA

Quality
1.7 – 2.0

The online shop

Preis: € 157.50
Inhalt: 16 reactions
Please select packing 16 reactions ▼