smart Blood DNA Midi prep (a)

The smart Blood DNA Midi prep (a) is based on the unique SmartExtraction technology and allows an easy automation of DNA extraction from up to 3 ml of whole blood. Each Reagent Strip is prefilled and ready to use for 1 sample.

Initially erythrocytes are lysed and PBMCs are collected for further preparation. Pre-filled, sealed Reagent Plastic simplifies handling enormously and can be applied on InnuPure systems directly. Additional tools are not necessary. Possible shearing effects on DNA are reduced to an absolute minimum due to the special SmartExtraction pipette tips, which contain modified surfaces for efficient binding of nucleic acids. Finally high DNA yields (up to 90 µg from 3 ml whole blood) with high molecular weight (up to 500 kb) can be isolated. An excellent quality ensures the direct application in further downstream analyses.

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 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
Blood (EDTA or citrate)
Specifications:
Suitable for all common stabilizers: EDTA, citrate and heparin
Based on SmartExtraction technology for easy automation without any additional tools needed
Isolation of high molecular weight DNA with a yield up to 90 µg from 3 ml whole blood
Includes pre-filled Reagent Strips or Plates for simple handling and a minimum

number of working steps

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
2.0 ml whole blood: approx. 40 – 70 µg gDNA
3.0 ml whole blood: approx. 50 – 90 µg gDNA

Starting Material
Whole blood samples of 0.5 to 3 ml
Fresh or frozen blood
Stabilizers: EDTA, citrate or heparin
Extraction Time

Lysis of erythrocytes: approx. 20 min.
Automatic processing: approx. 40 to 90 minutes (depending on protocol and device)

Quality
1.7 – 2.0

The online shop

Price: € 157.50
Content: 16 reactions
Please select packing 16 reactions ▼