smart Blood DNA Midi prep (a96) - FX, prefilled

The smart Blood DNA Midi prep (a96) – FX kit has been designed for automated isolation of high molecular weight genomic DNA from peripheral blood mononuclear cells (PBMC) derived from fresh or frozen blood using CyBio FeliX.

The kit can handle sample volumes of up to 3 ml, whereby blood samples can be stabilized with EDTA, citrate, heparin as well as with PAXgene® Blood DNA Tubes. The extraction method combines the innovative SmartExtraction technology developed by IST Innuscreen (patent pending). After erythrocyte lysis the PBMCs are pelleted. Subsequently, PBS is added and the cells are resuspended and transferred into the kit’s Reagent Plate. The whole extraction process just needs simple pipetting up and down and profits from efficient binding of genomic DNA to Smart Modified Surfaces inside the filter tip, which minimizes DNA fragmentation. After washing steps, the high molecular weight DNA (up to 350 kb) is eluted and ready for use in subsequent downstream applications.

Product Name: smart Blood DNA Midi prep (a96) - FX, prefilled

Product details

High Throughput Device: CyBio FeliX
Extract: DNA
Reactions: 96 or 480 (CyBio FeliX)
Sample type/Starting material: Blood, fresh or frozen
Blood (EDTA or citrate)
PAXgene® Blood DNA Tubes

Specifications:

- Up to 90 µg DNA from of up to 3 ml whole blood
- Excellent performance tested for extraction of DNA from fresh or frozen blood stabilized with EDTA, citrate and heparin, as well as blood sampled with PAXgene® Blood DNA Tube

- High yield of large DNA fragments based on innovative SmartExtraction technology

Starting Material0.5 – 3 ml whole blood
Fresh or frozen
stabilized with EDTA, citrate or heparin
PAXgene® Blood DNA Tube

Average Yield
Depending on sample quality/amount of starting material0.5 ml whole blood: 5 – 15 µg
1.0 ml whole blood: 15 – 30 µg
2.0 ml whole blood: 40 – 70 µg
3.0 ml whole blood: 50 – 90 µg

Extraction Time
External Lysis: approx. 40 min
Extraction: 40 min

The online shop

Price: € 535.50
Content: 96 reactions