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

The smart Blood DNA Midi Direct prep (a96) – FX kit has been designed for direct and automated isolation of high molecular weight genomic DNA from peripheral blood mononuclear cells (PBMC) derived from fresh or frozen blood using CyBio FeliX. Thanks to the innovative internal lysis up to 1 ml whole blood stabilized with EDTA, citrate, heparin as well as sampled with PAXgene® Blood DNA Tubes and buffy coat can be used directly.

The use of premium pre-filled kit versions allows an additional saving of time, but low-priced non-filled versions are available as well. After surface adsorption of PBMC, cells are lysed and released genomic DNA efficiently binds to Smart Modified Surfaces exclusively developed by IST Innuscreen (patent pending). Based on the gentle nature of the extraction process DNA fragmentation is minimized. After washing, the high molecular weight genomic DNA is eluted and is ready for use in subsequent downstream applications.

Product Name: smart Blood DNA Midi Direct 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:
Automatic high-throughput application including lysis
Excellent performance tested for extraction of DNA from fresh or frozen blood

stabilized with EDTA, citrate and heparin, PAXgene® Blood DNA Tube or buffy coat
Minimal hands-on time thanks to pre-filled kit version
High yield and quality of extracted DNA

Starting Material
0.2 – 1.0 ml whole blood
Fresh or frozen blood (max. two freeze/thaw cycles)
stabilized with EDTA, citrate, heparin
PAXgene® Blood DNA Tube
0.2 – 1.0 ml buffy coat (derived from up to 2.0 ml stabilized whole blood)

Average Yield
Depending on sample quality/amount of starting material
Up to 500 µl: 5 – 15 µg
Up to 1,000 µl: 15 – 40 µg
Using buffy coat of an equivalent of 2 ml whole blood: 30 – 60 µg

Extraction Time
Depending on sample volume
Up to 500 µl: 90 minutes
Up to 1,000 µl: 120 minutes

The online shop

Price: € 577.50
Content: 96 reactions