

# 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

Stabilizers: 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