



Innuscreen

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Sensor
Technology

innuPREP SE UHMW DNA Blood & Cells Kit - PP Mini

The innuPREP SE UHMW DNA Blood & Cells Kit – PP Mini has been designed for automated isolation of ultra-high molecular weight (UHMW) from cultivated eukaryotic cells or peripheral blood mononuclear cells (PBMC) derived from fresh or frozen blood stabilized with EDTA, citrate or heparin based on a patented technology.

Plates / strips and tip combs are included.

For blood samples the procedure starts with the lysis of erythrocytes and the subsequent pelleting of the PBMC's. After resuspension, the cells are transferred into the Deep Well Plate/Strip. For cultivated eukaryotic cells no preliminary steps are necessary. The extraction process is based on adsorption of the genomic DNA on so called Smart Modified Surfaces and it needs no magnetic particles for DNA binding. That means, the DNA binds directly on the surface of the modified Tip Combs. After washing, the genomic DNA is dissolved and is ready for use for subsequent downstream applications.

The whole extraction process just needs simple mixing up and down of the modified Tip Combs. The process is very fast and gives no limitation regarding the binding capacity. So, the kit is optimized to get a maximum of yield and quality.

Product Name: innuPREP SE UHMW DNA Blood & Cells Kit - PP Mini

Product details

Low Throughput Device: PurePrep Mini

Extract: HMW DNA

Reactions: 16 or 96 (PP Mini)

Sample type/Starting material: Eukaryotic cells
Blood, fresh or frozen

Specifications:

Starting material

Eukaryotic cells (1×10^6 – 1×10^7)

Whole blood for collecting of PBMC's (1 – 3 ml; depends on amounts of PBMC's use not more blood as equivalents to 1×10^7 PBMC's)

Average yield

Depending on sample quality/quantity

Extraction time

2.5 h

The online shop

Price: € 160.00

Content: 16 reactions

Please select packing

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