innuPREP SE Blood&Eukaryotic Cells UHMW DNA Kit (m)

The innuPREP SE Blood&Eukaryotic Cells UHMW DNA Kit (m) has been designed for manual isolation of high molecular weight (HMW) and ultra-high molecular weight (UHMW)genomic DNA 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.

For blood samples the procedure starts with the lysis of erythrocytes and the subsequent pelleting of the PBMC’s. After addition of 1 x PBS, the cells are resuspended and transferred into the SmartExtraction Tubes followed by lysis. For cultivated eukaryotic cells no preliminary steps are necessary. The SE Tube contains a material with unique Smart Modified Surfaces which adsorbs the genomic DNA during the binding step. After washing steps, the nucleic acid is dissolved from the surface of the modified material and is now ready to use for downstream applications. The whole extraction process is simple to handle. The unique extraction chemistry in combination with Smart Modified Surfaces is optimized to get a maximum of yield and quality. The nucleic acids are submitted to minimal shearing forces and are thus of superior quality and very high molecular weight, thus ideally suited for size-sensitive downstream applications such das NanoPore or PacBio sequencing.

No centrifugation – easy extraction using thermal shaker and magnetic rack
Highly efficient extraction within 1 h up to 1.5 h max.
High yield of ultra high-molecular-weight DNA
Inlcudes SmartExtraction tubes und granules with Smart Modified Surfaces for active binding of DNA
Enormous binding capacity without clotting

Product Name: 845-KS-8101010

Product details

Extract: DNA

Reactions: 10 / 50 / 100 / 250 (either or)

Sample type/Starting material: Blood, fresh or frozen (RNA only fresh)
Eukaryotic cells

Specifications:

Starting material

0.5–10 ml whole blood (fresh or frozen) treated with EDTA, citrate or heparin.
Eukaryotic cells (up to 10exp7 cells)

Extraction Time

Lysis: depending on starting material
Extraction: approx. 60 min

Quality

1.7 – 2.0

Average Yield

Depends on sample and used volume

The online shop

Price: € 90.00
Content: 10 reactions
Please select packing 10 reactions ▼