Innuscreen
innovative
Sensor
Technology



The innuPREP SE HMW DNA Kit (m) kit has been designed for the manual isolation of high molecular weight (HMW) genomic DNA (200 kb – 500+ kb) from tissue samples, eukaryotic cells, rodent tails, bacteria and yeasts based on a patented technology.

The procedure starts with the lysis of the starting material. After lysis the sample is transferred into a SmartExtraction Tube (SE Tube). The SE Tube contains a material with unique Smart Modified Surfaces Beads which adsorbs the genomic DNA. 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 subjected 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.

The innuPREP Bacteria Lysis Booster is also available to further optimize the lysis of bacterial cells, particularly with regard to bacterial strains that are difficult to lyse.

Product Name: innuPREP SE HMW DNA Kit (m)

Product details

Extract: DNA
Reactions: 10 / 50 / 100 / 250 (either or)
Sample type/Starting material: Tissue
Rodent tails
Eukaryotic cells
Bacterial cell culture or pellets (gram+ & gram-) & Yeast

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

Starting material
Tissue samples (up to 100 mg)
Mouse tail pieces (up to 1 cm)
Rat tail pieces (up to 0.5 cm)
Eukaryotic cells (up to 10exp7 cells)
Gram- or Gram+ bacteria (10exp5 up to 2 x 10exp9 cells)
Yeast cells (10exp5 up to10exp9)

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: € 80.00
Content: 10 reactions
Please select packing 10 reactions ▼