innuPREP SE HMW DNA Kit - KFFLX

The innuPREP SE HMW DNA Kit - KFFLX has been designed for automated isolation of high molecular weight DNA (HMW) from bacteria, yeasts, tissue samples and rodent tails based on a patented technology.

The extraction process is based on adsorption of the genomic DNA to Smart Modified Surfaces and it needs no magnetic particles for DNA binding. That means, the DNA binds direct on the surface of the modified KingFisher Flex Tip Combs. After washing, the genomic DNA is eluted from the Smart Modified Surfaces and is ready for use in 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.
The nucleic acids are subjected to minimal shearing forces and superior quality of high molecular weight, which ideally suits for size-sensitive downstream applications such das NanoPore or PacBio sequencing.

Automated high-throughput application: Purification of up to 96 samples using the KingFisher FLEX (Thermo Fisher Scientific)
High yield of high molecular weight DNA
Enormous binding capacity without clotting

Product Name: innuPREP SE HMW DNA Kit - KFFLX

Product details

High Throughput Device: KingFisher Flex / KFFLX
Extract: HMW DNA
Reactions: 96, 480 or 960 (KFFLX)
Sample type/Starting material: Tissue samples
Rodent tails
Bacterial cell culture or pellets (gram+ & gram-) & Yeast

Specifications:

Starting material
Tissue samples (1 mg – 20 mg)
Rodent tails (0.1-0.2 cm)
Bacteria / Yeast cell pellets (1 x 10exp8 – 1 x 10exp12 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: € 576.00
Content: 96 reactions
Please select packing 96 reactions ▼