



Innuscreen

innovative
Sensor
Technology

smart DNA prep (a96) - FX, prefilled

The universal smart DNA prep (a96) – FX Kit has been designed for automated isolation of high molecular weight genomic DNA from a broad variety of starting materials including tissue samples, eukaryotic cells, rodent tails, bacteria and yeast cells using CyBio FeliX. The extraction is based on the new patented SmartExtraction technology.

The whole extraction process just needs simple pipetting up and down and profits from efficient binding of DNA to Smart Modified Surfaces inside the filter tip. After washing, the ultra-pure DNA is eluted and ready for use in subsequent downstream applications. 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: smart DNA prep (a96) - FX, prefilled

Product details

High Throughput Device: CyBio FeliX

Extract: DNA

Reactions: 96 or 480 (CyBio FeliX)

Sample type/Starting material: Tissue samples

Tissues

Rodent tails

Eukaryotic cells

Bacterial cell culture or pellets (gram+ & gram-) & Yeast

Specifications:

Optimized for automatic extraction by CyBio FeliX

Magnificent binding capacity without particle agglutination thanks to unique SmartExtraction technology

Up to 500 µl elution volume

Pre-filled reagents minimize preparation steps and save time

Starting Material

Tissue sample (1 – 100 mg)

For tissue samples with a high DNA content (e.g. spleen samples, pancreatic samples and lymph nodes) use max. 5 mg!

Mouse tails (up to 1.0 cm)

Rat tails (up to 0.5 cm)

Eukaryotic cells (max. 5×10^6)

Bacteria cell pellets (1×10^5 – 1×10^9 cells)

Yeast cell pellets (1×10^5 – 1×10^9 cells)

Average Yield

Depending on sample quality/amount of starting material

Extraction Time

External Lysis: depends on starting material

Extraction: 40 min

The online shop

Price: € 535.50

Content: 96 reactions