innuPREP Plant DNA Kit - FX

Using the innuPREP Plant DNA Kit - FX, it is possible to isolate highly pure genomic DNA from various plant materials. After efficient homogenization using SpeedMill PLUS or another homogenizer, or using a mortar and liquid nitrogen, the plant material is lysed and both proteins and polysaccharides are effectively removed in a precipitation step.

The lysate is filtered and then transferred to the plates, which are already self-filled or filled using CyBio FeliX. Using magnetic particle separation, nucleic acid extraction is automated on the CyBio FeliX. The final eluate is highly pure, free of magnetic particles and can therefore be used directly in subsequent applications, e.g. qPCR. The kit has already been successfully tested with leaves and herbs, corn, cornmeal and seeds.

To reduce the manual preparation steps for this kit to a minimum, the innuPREP Prefilling Set (OL3317-25-127 available at Analytik Jena GmbH) is also available for automated prefilling of deep well plates with the appropriate buffers and reagents by CyBio FeliX.

Product Name: innuPREP Plant DNA Kit - FX

Product details

High Throughput Device: CyBio FeliX
Extract: DNA
Reactions: 96 or 480 (CyBio FeliX)
Sample type/Starting material: Grain flour
Seed
Sugar beet
Leaves or herbs

Specifications:
High throughput application for up to 96 samples in parallel
Effective removal of inhibitory by-products, such as plant secondary metabolites

Highly reproducible yields of the DNA to be isolated

Starting material
Grain flour or seeds (max. 20-60 mg)
Sugar beets, leaves or herbs (10-40 mg fresh material / 1-4 mg dried material)

Extraction time
Lysis: approx. 40-45 minutes
CyBio FeliX protocol: approx. 26 minutes

Average purity
1,8-2,0

The online shop

Price: € 330.75
Content: 96 reactions
Please select packing 96 reactions ▼