innuPREP Plant DNA I Kit - IPC16

Using the innuPREP Plant DNA Kit I - IPC16 allows users to isolate highly pure genomic DNA from a variety of plant materials. Following efficient homogenization using a SpeedMill, other homogenizer, or a mortar and liquid nitrogen, the plant material is lysed, and proteins and polysaccharides are effectively removed in a single precipitation step.
Each Reagent Plate is prefilled and ready to use for 8 samples.

Once it has been filtered, the lysate is transferred to pre-filled Reagent Strips and/or Plates. Nucleic acid extraction proceeds automatically on the InnuPure C16 touch using a magnetic particle separation process. Because the final eluate is highly pure and free of magnetic particles, it can be used immediately in subsequent applications such as qPCR. The kit has already been successfully tested on leaves and herbs, fruits, wood, needles and seeds.

The innuPREP Plant DNA II Kit-IPC16 is optimized for the isolation of genomic DNA from plant material with a particularly high phenol content.

Product Name: innuPREP Plant DNA I Kit - IPC16

Product details

Low Throughput Device: InnuPure C16touch
Extract: DNA
Reactions: 16 , 96 or 480 (IPC16 - Plate)
Sample type/Starting material: Plant material
Specifications:
Extracts high-quality plant DNA from up to 16 samples in parallel
Developed and optimized for use with the InnuPure C16 touch automated system
Effective removal of inhibiting by-products such as secondary plant metabolites
Highly reproducible yields of the DNA to be isolated

Extraction time
Homogenization:
Homogenizer: approx. 30 seconds–3 minutes
Liquid nitrogen: approx. 5–10 minutes
Lysis: approx. 40–45 minutes
InnuPure C16 touch protocol: approx. 45 minutes

Starting material
Fresh or frozen plant material (up to 100 mg)
Plant material containing a large proportion of water (up to 100 mg)

Average yield
Depends on the type and quantity of the Starting material
Up to 60 µg

Average purity
1,8–2,0

The online shop

Price: € 126.00
Content: 16 reactions
Please select packing 16 reactions ▼