



PLANT GENOMIC DNA PURIFICATION KITS



Isolate DNA with superior yield & purity using **NucleoSpin® Plant II**

- Designed for virtually every plant species
- Highest lysis efficiency (CTAB or SDS lysis option)
- Improved buffer compositions & silica matrix for plant specific DNA isolation
- Small, medium, & large scale prep kits (<100 mg, <400 mg, <1500 mg)

NucleoSpin® Plant II



NucleoSpin® Plant II Midi



NucleoSpin® Plant II Maxi



**Benzyl chloride method -
Plant DNA Isolation Reagent**

TAKARA

- 30 min procedure, mortar & pestle free procedure

GENOTYPE DIRECTLY! SKIP DNA PURIFICATION

Terra™ Direct Polymerase Mix:

- Amplify directly from crude extract or tissue
- No need for DNA purification
- Simple protocol
- Save time & money



Ask about a sample



PLANT TOTAL RNA PURIFICATION KITS

Isolate superior RNA with
NucleoSpin® RNA Plant

- Suitable for a huge variety of plants
- Isolate from leaves, seeds, roots, stem etc.
- Optimised lysis with two buffer options
- Shredders included for efficient homogenisation
- High yield and purity, up to 70 mg from 100 mg plant material
- Reliable removal of secondary metabolites



PLANT TISSUE & CELL CULTURE NEEDS



Duchefa supply >400 plant related products

Cell culture media components

- Amino Acids
- Antibiotics
- Hormones
- Growth regulators
- Gelling agents
- Substrates
- Chemicals
- Containers and accessories

Range of products for phytopathology

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IMPROVE PLANT RNA PURITY

REMOVE POLYSACCHARIDES, POLYPHENOL & PROTEOGLYCANS

Fruitmate for RNA Purification

- Pretreatment for plant RNA extracts
- Removes Polysaccharides or polyphenols
- Proven on fruit, seeds, leaves, rhizomes & peel
- Add to homogenised tissue

High Salt Solution for Precipitation (Plant)

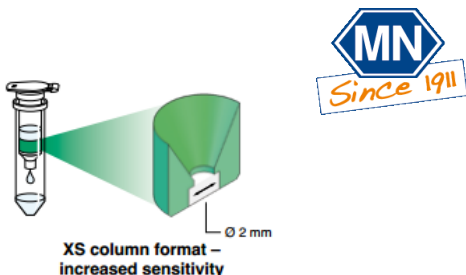
- Post treatment for plant RNA extracts
- Removes Polysaccharides or proteoglycans
- Add at the isopropanol precipitation step

IMPROVE PLANT RNA PURITY

POST RNA ISOLATION CLEAN-UP

NucleoSpin[®] RNA Clean-up NucleoSpin[®] RNA Clean-up XS

- Complete removal of RT-PCR inhibitors
- Silica membrane technology
- Widely references for plant RNA clean-up
- XS versions allow elution in as little as 5 µl



TaKaRa

PLANT BINARY VECTORS MONOCOTS & DICOTS

pRI 101 Series

- Improved binary vectors for *Agrobacterium*-mediated plant transformation
- Options for monocots and dicots

pRI 201 Series

- Higher expression levels than the pRI 101 series of vectors
- Allow expression of two genes of interest

pRI 909/910 Series

- Shuttle vectors that replicate autonomously in *E.coli* and *Rhizobium* (*Agrobacterium*)
- Work with various plants—*Arabidopsis*, tomato, tobacco, rice

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AGROBACTERIUM COMPETENT CELLS

Agrobacterium tumefaciens LBA4404 Electro-Cells

- Facilitate delivery of a binary vector
- Electrocompetent
- Efficiency of >5 x 10⁶

PROTEIN SAMPLE PREPARATION

protea[®]

Introducing: Protea Biosciences

Leaders in protein sample preparation for downstream analysis by mass spectrometry, liquid chromatography, Edman degradation, capillary electrophoresis and other analytical techniques.

www.proteabio.com