

magtivio



MagSi-DNA Plant CLS

*Extraction of Genomic DNA
from Plant Cotyl, Leaf and Seed*

A single kit for optimized plant DNA extraction results and improved workflow efficiency

The **MagSi-DNA Plant CLS** kit allows fast and cost-effective extraction of DNA from any plant tissue type. **CLS** stands for Cotyl, Leaf and Seed, which are the most commonly used sample types in plant breeding. The **MagSi-DNA Plant CLS** kit contains all the components necessary to optimize your specific DNA extraction procedure, with regards to yield, purity, and working volumes. The kit can be used on any open DNA extraction robot or liquid handling system. The kit has been tested with many different plant species.

Features

- Kit is especially designed for workflow efficiency
- Contains 2 lysis buffers for different samples in 1 extraction procedure
- Preparation time for 96 samples: 25 min. after lysis
- High yields and excellent DNA purity
- Suitable for downstream applications such as SNP genotyping by PCR or NGS
- No phenol-chloroform extraction
- Ready-to-use kit – Avoiding adding alcohols
- Fast and convenient protocols that are easily adaptable to high-throughput automation

Table 1. Overview of plant species tested (not exhaustive)

| | | |
|------------|-----------|------------|
| Barley | Melon | Sugar beet |
| Maize | Asparagus | Tomato |
| Rice | Cucumber | Turnip |
| Wheat | Lettuce | Chrysant |
| Rape | Onion | Gerbera |
| Soy | Pepper | Kalanchoe |
| Sunflower | Spinach | Petunia |
| Strawberry | Squash | Rose |



Pre-filled Magnetic Beads and Binding Buffer: rQ Plant CLS Binding Plate

After evaluation and finding the ideal set of reagents for your DNA extraction workflow, we can offer a unique, customized, **pre-filled** version of the key components: the magnetic beads and the binding buffer in a microplate, the rQ Plant CLS Binding Plate.

- Eliminate all beads handling issues
- Save time and costs on reagent addition
- Save costs on beads mixing equipment
- Increase instrument capacity
- Environmentally friendly

Magnetic beads and binding buffer can be supplied in microplates for PurePrep or KingFisher™, or your specific extraction plates (on liquid handling systems).

Ordering Information

| Art. No. | Description | Amount |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| MDKT00260096 | MagSi-DNA Plant CLS | 96 preps |
| MDKT00260960 | MagSi-DNA Plant CLS | 10 x 96 preps |
| MDKT00260196PF | rQ MagSi-DNA Plant CLS * | 96 preps |
| MD0200142596PF | rQ Plant CLS Binding Plate ** | 25 pcs |
| * All kit components except lysis buffers provided pre-filled in 96 DeepWell plates for PurePrep 96 / KingFisher™ Flex 96 | | |
| ** Pre-filled binding plate contains beads and binding buffer suited for PurePrep 96 / KingFisher™ Flex 96 | | |
| Ask for our customized, bulk options and accessory products (e.g. Proteinase K and RNase A) | | |

