A&A BIOTECHNOLOGY
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Manual

Fast DNA Plant Screen

Kit for rapid isolation of genomic DNA from plant material, to be used in PCR.

catalog #	size
050-192	192 isolations (2 x 96)

For research use only.

Guarantee
A&A Biotechnology provides a guarantee on this product.
The company does not guarantee the correct performance of this kit in the event of:

- not adhering to the supplied protocol
- use of not recommended equipment or materials
- use of other reagents than recommended or which are not a component of the product
- use of expired or improperly stored product or its components

Contents

component	quantity	storage
A buffer	5 x 4 ml	-20 °C
B buffer	5 x 4 ml	-20 °C

Additional equipment and reagents

Necessary

- 1,5 ml Eppendorf tubes
- Heatblock or incubator set to 95 °C

Optional

- PCR tubes or 96-well PCR plates

Isolation protocol

1. Cut the plant tissue in small fragments (size not exceeding 2-3 mm) and transfer to 1,5 ml Eppendorf tubes (not included).
2. Add **50-100 µl** of **A** buffer. Mix by pipetting. Sample must be completely submerged in A buffer.
3. Incubate the sample for **10 min** at **95 °C**.
4. Cool down the samples to **room temp**.
5. Add an equal volume of **B** buffer (about **50-100 µl**).
6. Mix the samples for **5 s** by pipetting or vortexing.
7. Store the samples with fragments of plant tissue up to **3 months** at **4-8 °C**.

   Do not freeze!
   Freezing may cause DNA degradation.

We recommend using isolated DNA to maximum 10% of the final volume of PCR sample (e.g. 5 µl of isolated DNA to 50 µl of final volume of PCR mix reaction).

For amplification we recommend ready-to-use PCR mixes produced by A&A Biotechnology e.g. PCR Mix Plus HGC (cat # 2005-100G, 2005-1000G), PCR Mix Plus (cat. # 2005-100P, 2005-1000P).

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