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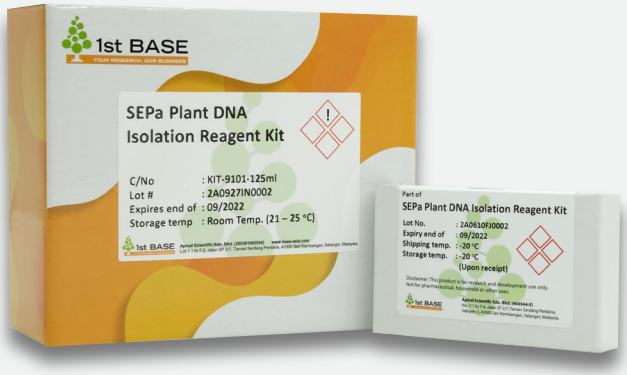
SEPa Plant DNA/RNA Isolation Reagent Kit

HIGHLIGHTS

- **High Tolerance** to different plant species with high levels of polysaccharides, polyphenols, and other secondary metabolites.
- **High Yield** of plant nucleic acid.
- **High Purity** for high-end downstream applications, eg. Next-Generation Sequencing.



SEPa Plant DNA/RNA Isolation Reagent Kit allows high quality nucleic acid extraction from plant tissues, particularly those rich in polyphenolics or polysaccharides. It is an organic solution-based extraction method which utilizes cationic detergent to extract nucleic acid for downstream applications that require high quality inputs of nucleic acid.

Ordering Information

Product Code	Product Description	No. of Reactions
KIT-9101-125ml	SEPa Plant DNA Isolation Reagent Kit	Up to 120 Preps
KIT-9102-125ml	SEPa Plant RNA Isolation Reagent Kit	Up to 40 Preps

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SEPa Plant DNA Isolation Reagent Kit

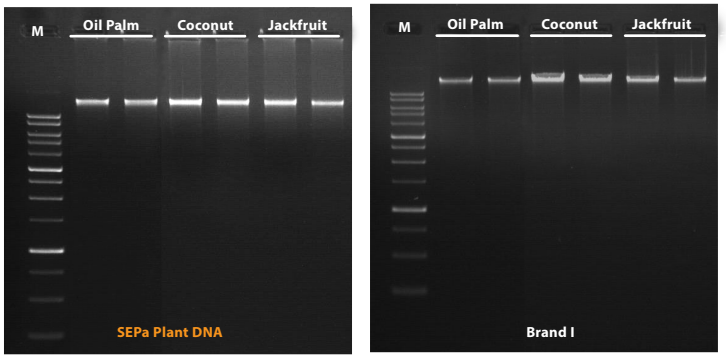

Figure 1:
100 ng of purified plant DNA was run on 1% agarose gel using 1x TAE buffer (BUF-3000, 1st BASE) at 100V, 60 minutes.
M = ExactMark 1kb DNA ladder (BIO-5140)

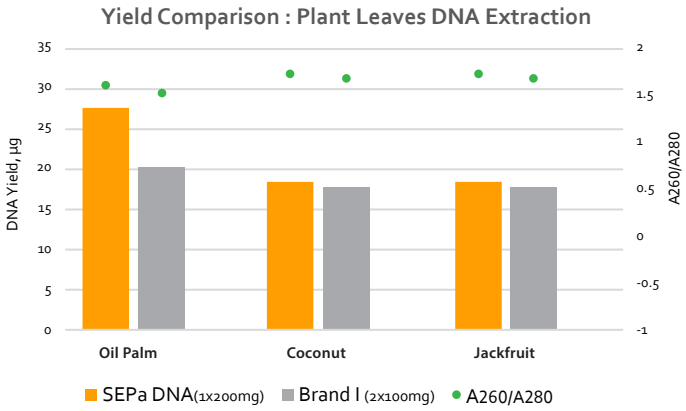

Figure 2:
Comparison of DNA yield and purity between SEPa Plant DNA Reagent Kit and Brand I kit.

DNA was extracted based on 200 mg of pulverized plant tissues which is suitable for high throughput downstream applications such as Next-Generation Sequencing.
With Brand I, DNA had to be extracted 2 times from 100 mg of pulverised plant tissues, whereas only one extraction is required from 200mg of pulverised plant tissues using SEPa kit.

The DNA concentration in the graph was measured using Implen NanoPhotometer®.

SEPa Plant RNA Isolation Reagent Kit

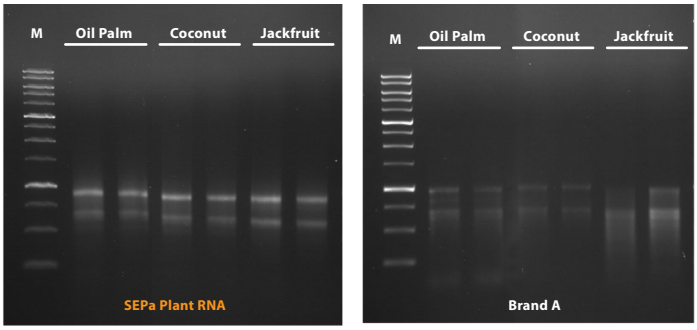

Figure 1:
100 ng of purified plant RNA was run on 1% agarose gel using 1x TAE buffer (BUF-3000, 1st BASE) at 100V, 60 minutes.
M = ExactMark 1kb DNA ladder (BIO-5140)

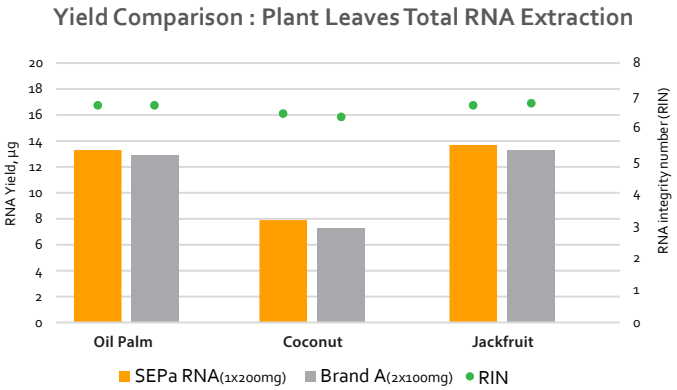

Figure 2:
Comparison of RNA yield and purity between SEPa Plant RNA Reagent Kit and Brand A kit.

RNA was extracted based on 200 mg of pulverized plant tissues which is suitable for high throughput downstream applications such as Next-Generation Sequencing.
With Brand A, RNA had to be extracted 2 times from 100 mg of pulverised plant tissues, whereas only one extraction is required from 200mg of pulverised plant tissues using SEPa kit.

The RNA concentration in the graph was measured using Implen NanoPhotometer®.