NucleoMag® 384 Plant - DNA isolation from oil palm leaves (Rev. 01, September 2018)

This protocol is only a supplement to the kit's general user manual. Please refer to the kit manual for more detailed information regarding safety instructions, product-specific disclaimers, and especially preparations needed before starting the procedure. The latest version of the user manual is available at ***www.mn-net.com/usermanuals*** *or can be requested from our technical service (tech-bio@mn-net.com). Safety data sheets (SDS) can be downloaded from* ***www.mn-net.com/MSDS****.*

1 Homogenize and lyse sample material

Homogenize about **30 mg (fresh)** or **< 10 mg (lyophilized) plant tissue.**

Add **200 µL Buffer MC1** and optionally **10 µL RNase A** solution (stock solution 12 mg/mL).

Mix briefly and **incubate** at **56 °C** for **60 min.**

2 Clear lysates

Centrifuge the samples for **15 min** at full speed **(5,600–6,000 x *g*).**

Transfer **50 µL** of the **cleared lysate** to a suitable separation plate.

3 Bind DNA

Add **4 µL of NucleoMag® V-Beads** and **50 µL Binding Buffer CB** to each sample.

Mix by pipetting up and down or shaking for **5–10 min** at room temperature.

4 **Follow step 4** according to the standard procedure of the NucleoMag® 384 Plant user manual.

Additional Consumables

Binding Buffer CB	Upon request (Please contact tech-bio@mn-net.com)

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