MACHEREY-NAGEL

Supplementary protocol

NucleoSpin® DNA Stool – Isolation of genomic DNA from chicken feces (Rev. 01)

This supplementary protocol is developed for the isolation of genomic DNA from 200 mg feces from chicken.

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). Material safety data sheets (MSDS) can be downloaded from* ***www.mn-net.com/MSDS****.*

Additional equipment needed:

- Proteinase K (REF 740506 / .30 / .75)

Additional preparations before starting:

- Add Buffer PB to the lyophilized Proteinase K as described in the instruction leaflet.

1 Prepare sample

Transfer approx. **200 mg chicken feces** to the **NucleoSpin® Bead Tube Type A**.

Add **1 mL Buffer ST1**.

2 Lyse sample

Vortex **10 min** at **RT** using the MN Bead Tube Holder on Vortex-Genie® 2 at **max. speed**.

Centrifuge for **5 s** to spin down foam.

Add **20 µL Proteinase K** and **mix** by **shaking** horizontally for **2–3 seconds**.

Incubate at **70 °C** for **30 min**, invert the tube every 10 min to mix the solution.

Proceed with step 3 of the standard protocol (Precipitate contaminants).