

Quick start guide for automated genomic DNA extraction from 18 blood samples with Clean Blood & Tissue DNA Kit™

Before you start

- ☐ For first-time use of the kit, prepare Wash Buffers by adding the following volumes of absolute ethanol:
 - ☐ 16 prep kit (CBT-D0016) – Add 14 ml EtOH to GH- and TB Wash.
 - ☐ 96 prep kit (CBT-D0096) – Add 70 ml EtOH to GH- and TB Wash.
 - ☐ 384 prep kit (CBT-D0384) – Add 280 ml EtOH to GH Wash and 198 ml EtOH to TB Wash.
- ☐ Thaw the blood and bring to room temperature. Bring the magnetic beads to room temperature.
- ☐ Prepare 3 boxes of 1250 µl GRIPTIPS® (288 tips).
- ☐ Preheat the HEATMAG module to 56 °C in advance to reduce the total run time.

ASSIST PLUS deck set-up

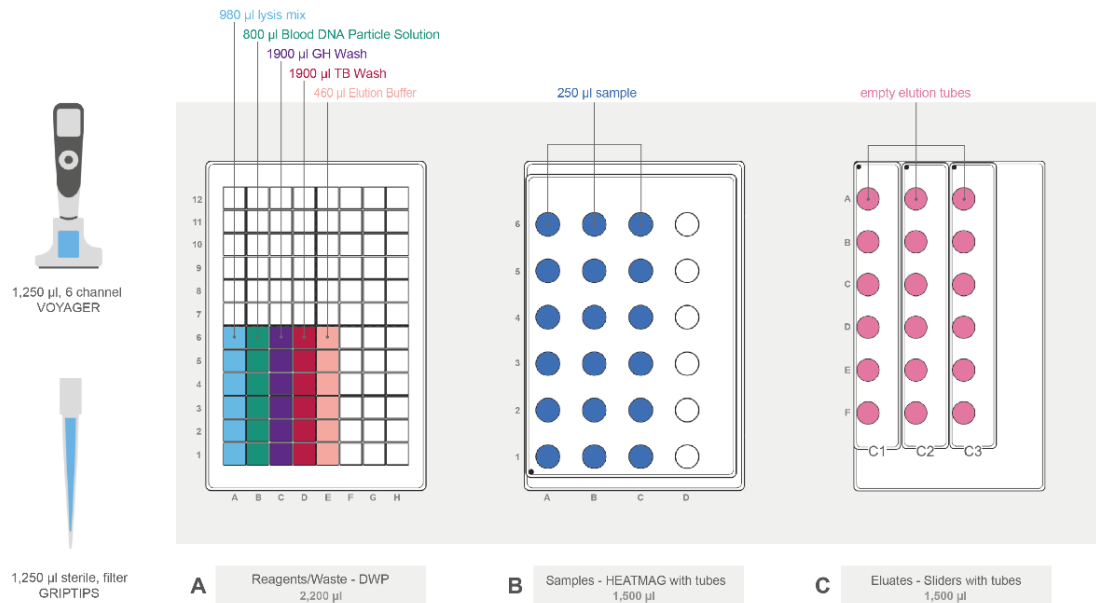
- ☐ Place the labware and accessories on the ASSIST PLUS according to the photo below.



- ☐ To protect the operator from the biological sample, place the ASSIST PLUS in a biosafety cabinet.

Prepare reagents for DNA extraction from blood

- ☐ Prepare the lysis mix by mixing 5.8 ml LG Lysis with 400 µl Proteinase K.
- ☐ Add the reagents, samples and empty elution tubes according to the figure below.



- ☐ Select and run the VIALAB program '*DNA_extraction_from_blood_18samples*'.
- ☐ Set the timer to 35 minutes at the start of the run to ensure the tip box and waste bin are changed on time.
- ☐ When you finish your run, clean the HEATMAG module, the ASSIST PLUS, and the surfaces inside the biosafety cabinet (with a lint-free cloth and 70% ethanol or isopropanol). Afterwards close the laminar flow cabinet and turn on the UV light.