

## Quick start guide for automated genomic DNA extraction from 12 blood samples with Clean Blood & Tissue DNA Kit™

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### 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 2 boxes of 1250 µl GRIPTIPS® (192 tips).
  - ☐ Preheat the HEATMAG module to 56 °C in advance to reduce the total run time.
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### ASSIST PLUS deck set-up

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

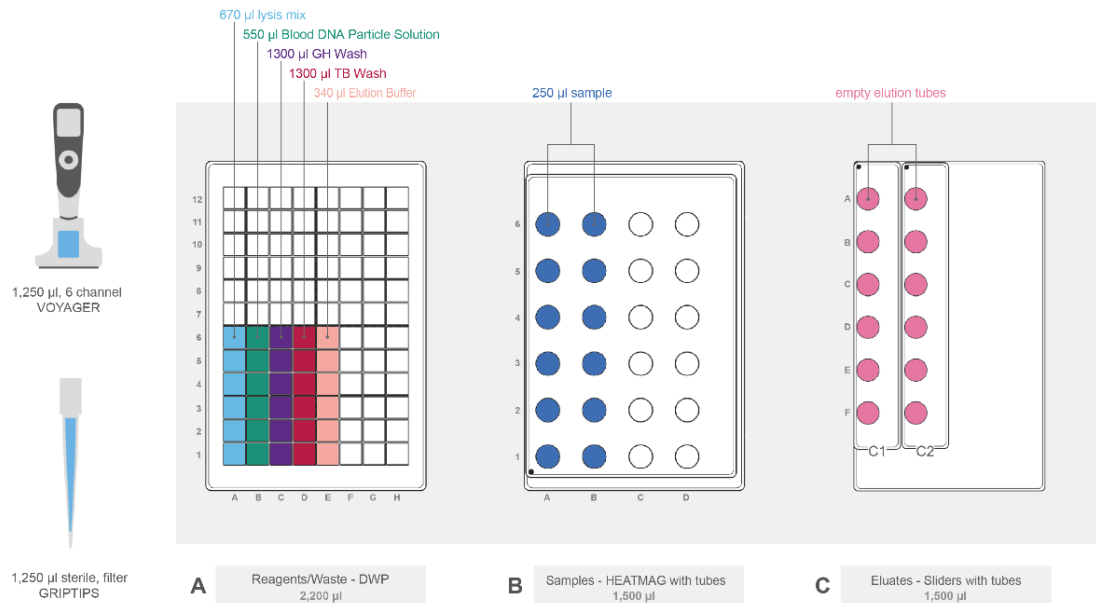


- ☐ To protect the operator from the biological sample, place the ASSIST PLUS in a biosafety cabinet.

# INTEGRA

## Prepare reagents for DNA extraction from blood

- ☐ Prepare the lysis mix by mixing 4.06 ml LG Lysis with 280 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\_12samples*'.
- ☐ Set the timer to 40 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.