

Perfect Companion for High-Throughput Viral Nucleic Acid Extraction

Simplify your viral nucleic acid purification with Promega® Maxwell® HT Viral TNA Kit on the epMotion® 5075t liquid handler



Recent viral outbreaks and emergence of new viral strains has highlighted the advantages of efficient viral detection workflows. The first step requires a high throughput and reliable viral nucleic acid extraction system. The Promega® Maxwell® HT Viral TNA Kit can be used for high throughput, automated magnetic bead based viral nucleic acid purification from plasma on the ep*Motion*® 5075t liquid handler. This combination provides an optimized for use globally high throughput solution that meets your laboratory needs.

Features

- > Dispensing tools (1-channel and 8-channel) supporting volume ranges from 0.2 1000 uL and gripper function for labware transport
- > Optical sensor for detecting liquid, labware and tips (type and quantity)
- > Automatic exchange of all tools
- > Integrated Eppendorf ThermoMixer® for reliable mixing and temperature control
- > Intuitive epBlue software for programming supported by MultiCon PC controller
- > Optional CleanCap with UV lamp and HEPA filter for decontamination
- > Integrated LED for visual feedback of the system status

Advantages

- > Enhance throughput: Process up to 96 samples for nucleic acid extraction with no manual intervention.
- > **Ensure reproducibility:** Calibrated dispensing tools with optimized pipetting accuracy evades manual
- > Minimize contamination: Fully autoclavable dispensing tools and additional CleanCap option guarantee sample/user safety
- > **Improve productivity:** Pre-optimised kit protocols with on deck incubation and mixing facility spares time for greater scientific thinking.
- > Maximize nucleic acid recovery: Ensure excellent yield from samples with low virus concentration

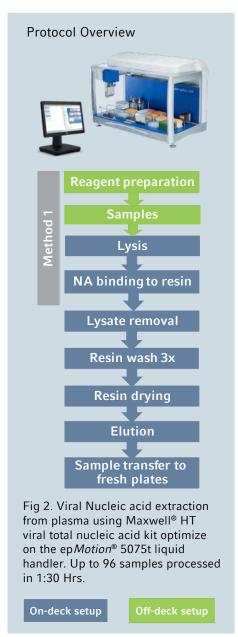


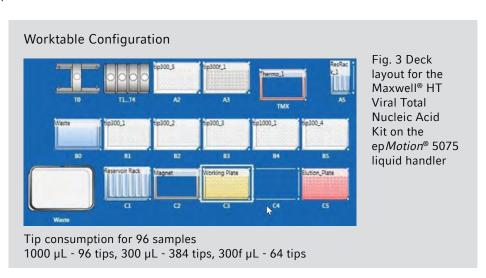
Workflow overview

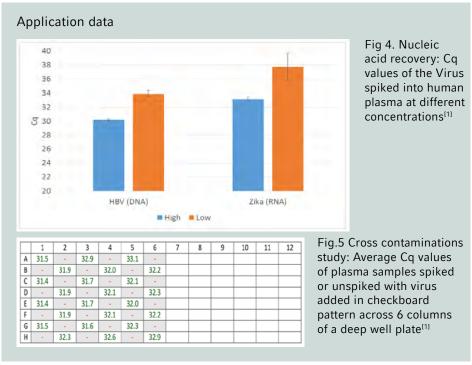


Fig 1. Schematic overview of the common viral nucleic acid based workflows

Steps performed on the epMotion® liquid handler







Reference: [1] Promega Corporation SCIENTIFIC APPLICATIONS NOTE PA226.0518

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