

# SphaeraMag® DNA/RNA Isolation and SphaeraMag® DNA/RNA Blood Isolation

## Nucleic Acid Extraction for Manual and Automated Systems

The **SphaeraMag® DNA/RNA Isolation Kit** is designed for rapid and reliable isolation of total nucleic acids from whole blood, serum, plasma, nasopharyngeal swabs, nasopharyngeal aspirates, and bronchoalveolar lavage samples in Universal Transport Medium (UTM), Viral Transport Medium (VTM), and swab samples.



	SphaeraMag® DNA/RNA Blood Isolation Universal 96	SphaeraMag® DNA/RNA Blood Isolation pre-filled 96	SphaeraMag® DNA/RNA Blood Isolation pre-filled 80	SphaeraMag® DNA/RNA Blood Isolation pre-filled Mini
RBC Buffer	75 ml	pre-filled	pre-filled	pre-filled
PBNC Buffer	75 ml	pre-filled	pre-filled	pre-filled
Wash Buffer	50 ml	pre-filled	pre-filled	pre-filled
SphaeraMag® Magnetic Beads	2 × 1 ml	2 × 1 ml	2 × 1 ml	2 × 1 ml
Elution Buffer	10 ml	pre-filled	pre-filled	pre-filled

The **SphaeraMag® DNA/RNA Blood Isolation Kit** is specifically designed for rapid and reliable isolation of total nucleic acids from whole blood, plasma, CSF, or serum.

The isolated nucleic acids from both kits can be further analyzed for diagnostic purposes (e.g., pathogen detection, sequencing) or research applications (e.g., PCR analysis).



	SphaeraMag® Universal 96 preps	SphaeraMag® pre-packed 32 80 preps	SphaeraMag® pre-packed 96 96 Preps
Lysis/Binding Buffer	60 ml	pre-packed	pre-packed
Wash Buffer	75 ml	pre-packed	pre-packed
SphaeraMag® Magnetic Beads	1 ml	1 ml	1 ml
Elution Buffer	25 ml	pre-packed	pre-packed

### Process

- Samples are lysed in specially formulated buffers to release the nucleic acids which are then bound to the surface of paramagnetic beads.
- Proteins and cellular debris are removed by washing of the beads.
- Purified nucleic acids are then eluted in the provided elution buffer, nuclease-free water, or other low ionic strength buffer.
- Procedure can be scaled up or down and be performed manually or with an automated system.

### Protocols available for the following automated platforms:

- Hamilton Microlab® STAR/MagEx STARlet/NIMBUS
- KingFisher™, BioSprint®, and MagMAX® 96
- Tecan DreamPrep™ NAP
- Auto-Pure96 and Auto-Pure32

### Advantages

- Flexible
- Scalable
- Magnetic bead-based chemistry
- Versatile
- Compatible

Order online at [traxlabssystem.com](http://traxlabssystem.com) | 1.833.548.8378