



ANDiS 350 Automated Nucleic Acid Extraction System

A simple, efficient and reliable solution for nucleic acid extraction

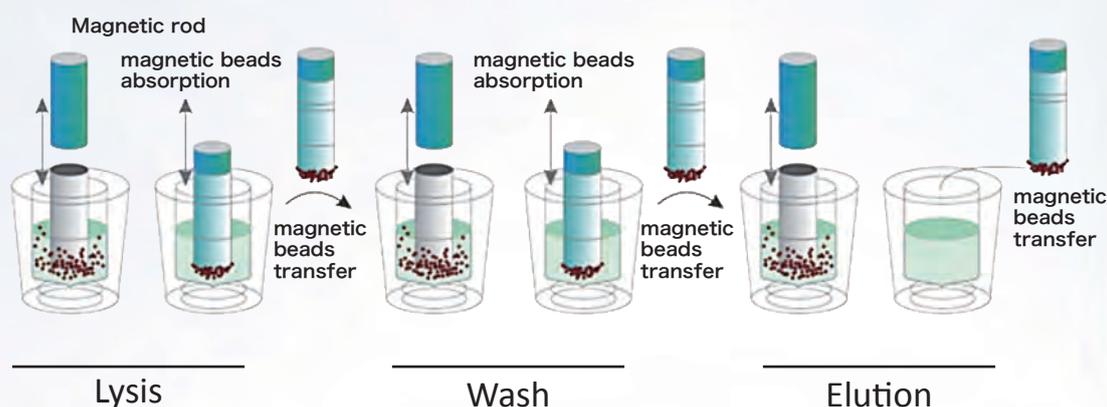
CE IVD In Vitro Diagnostic Medical Device

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Basic Principles

The quality and quantity of DNA and RNA extracted from clinical specimens will have a major impact on subsequent molecular tests. ANDiS 350 Automated Nucleic Acid Extraction System enables fully automated extraction of highly pure nucleic acids with magnetic bead-based technology.

Extracted nucleic acids can be used for molecular testing with a variety of techniques such as PCR, qPCR, NGS library preparation, and microarray.



Product Features

Easy-to-use

- 7-inch color touch screen display, built-in computer with Android OS;
- Pre-loaded reagents & fully automated sample processing, minimal hands-on time;
- USB supported for system upgrade and program import;

Small-in-size

- Approximately 15.8 in x 15.8 in x 17.8 in in size, easily fits in any biosafety cabinet, easily transported;

Ultra-efficient and rapid

- >95% recovery rate of magnetic beads, ultra-high extraction efficiency;
- Turnaround time of 30~60 minutes (reagent dependent) ;

Robust and reliable

- Built-in UV lamp for preventing contamination, <3% CV for technical replicates;

Readily Adaptable

- Compatible with different magnetic bead-based nucleic acid extraction reagents;
- Memory for storing up to 500 programs;
- Optimized protocols for each sample type;

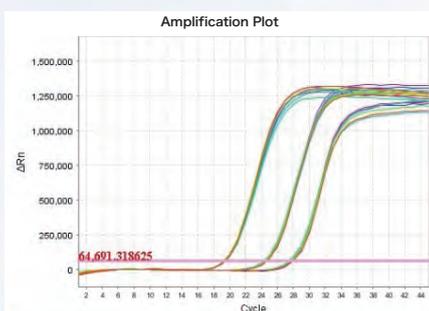


Major applications

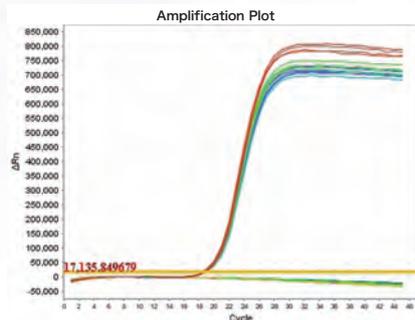
The ANDiS 350 Automated Nucleic Acid Extraction System is compatible with different magnetic bead-based nucleic acid extraction reagents and enables rapid extraction of DNA and RNA from a wide range of specimens.

Viral DNA/RNA extraction

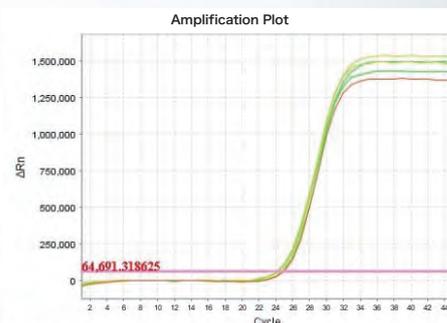
The ANDiS 350 system and the ANDiS Viral RNA Auto Extraction & Purification Kit allow for automated extraction of viral DNA/RNA, from a variety of specimen types, such as serum, plasma, swab, urine and blister fluid.



RNA was extracted from three specimens and was subjected to PCR amplification in 8 replicates, demonstrating a high stability (CV < 1% within and between batches) of the assays.



NO cross-contamination was detected during the extraction.



Recovery rate for viral RNA extraction is about 70%; beads collection efficiency is > 95%.

In light of the worldwide COVID-19 pandemic, the ANDiS 350 system can be used in combination with viral DNA/RNA extraction reagents to enable nucleic acid extraction in a rapid, efficient and stable manner for subsequent clinical molecular diagnosis. The entire workflow can be executed in a biosafety cabinet to protect operators from potential hazards.



Whole Blood Genomic DNA Extraction

To be used to extract genomic DNA from EDTA-treated blood for subsequent clinical research (e.g. NGS library preparation, etc.).

DNA extraction from FFPE tissues

To be used to extract DNA from FFPE tissues for subsequent clinical research (e.g. NGS library preparation, etc.).

ANDiS 350

Automated Nucleic Acid Extraction System



	Parameters
Product Type	ANDiS 350
Reaction Volume	30 μ l-1000 μ l
Sample Throughput	16/32
Magnetic beads recovery rate	>95%
Extraction variation	CV<3%
Heating temperature	Adjustable from room temperature to 115° C/240° F
Reagent type	Magnetic bead-based open source reagents
Extraction time	30-60 mins (reagent dependent)
Well plate	96 deep well plate
Operation system	Android system in Chinese with touch screen
Memory storage	Up to 500 programs
Program management	Add, edit, and delete programs
UV lamp	Yes
Light	Yes
Device size	15.8 in x 15.8 in x 17.8 in
Device weight	35kg



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