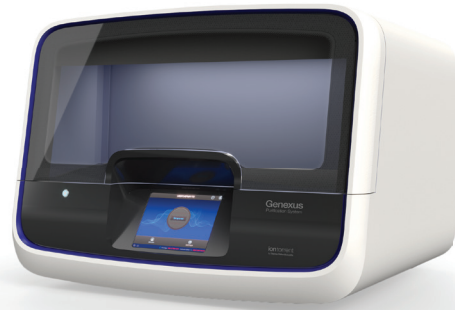


Genexus Purification System



The Ion Torrent™ Genexus™ Purification System automates nucleic acid extraction, purification, and quantitation on a single platform to provide a consistent and efficient workflow solution for next-generation sequencing (NGS) sample preparation. As part of the Ion Torrent™ Genexus™ System, the Genexus Purification System combines with the Ion Torrent™ Genexus™ Integrated Sequencer to deliver specimen-to-report NGS automation in a single day.*

The Genexus Purification System helps minimize user processing errors and increase the reproducibility of your

results by requiring just one touchpoint and 5 minutes of hands-on time for NGS sample preparation. In as few as 2 hours, the system will provide you with a sealed plate of purified, quantified, and diluted nucleic acid samples that's ready to be loaded onto the Genexus Integrated Sequencer for downstream NGS applications. The Genexus Purification System supports multiple specimen types—including plasma; whole blood; peripheral blood leukocyte (PBL); and lysate from formalin-fixed, paraffin-embedded (FFPE) tissue, fresh-frozen tissue, and bone marrow—to enable multiple NGS applications.

Key features of the Genexus Purification System

Automation	Automate nucleic acid extraction, purification, and quantitation—all on a single platform that requires just one touchpoint and 5 minutes of hands-on time
Integrated NGS workflow	Combine with the Genexus Integrated Sequencer to enable specimen-to-report NGS automation and ensure tracking of sample and run-plan information to the final variant report*
Broad range of applications	Complete DNA, RNA, and cell-free total nucleic acid (cfTNA) purification from multiple specimen types including plasma; whole blood; PBL; and lysate from FFPE tissue, fresh-frozen tissue, and bone marrow
Rapid turnaround	Go from specimen to purified, quantified, and diluted nucleic acid that's ready for NGS analysis in as few as 2 hours
Easy operation	Work simply, with prefilled reagents that require only one touchpoint and 5 minutes of hands-on time
Robust, high-quality instrument	Manufactured at an FDA-registered and ISO 13485–certified facility
Onboard vision system	Understand reagent placement and detect errors through automated bar code scanning

* Specimen-to-report workflow will be available after the Genexus Purification System and integrated reporting capabilities are added in 2020. Fully integrated specimen-to-report workflow will be available after the Genexus Software 6.4 update.

Genexus Purification System kits

Kit	Specimen type	Reactions/kit
Ion Torrent™ Genexus™ FFPE DNA/RNA Purification Kit (DNA and RNA sequential)	Lysate from FFPE tissue (surgical resection, core needle biopsy (CNB), fine needle aspiration (FNA))	48
Ion Torrent™ Genexus™ Cell-Free Total Nucleic Acid Purification Kit	Plasma	24
Ion Torrent™ Genexus™ Multisample DNA Purification Kit	Whole blood, PBL, lysate from fresh-frozen tissue and bone marrow	48
Ion Torrent™ Genexus™ Total RNA Purification Kit	Whole blood, PBL, lysate from fresh-frozen tissue and bone marrow	48

Instrument specifications

Instrument type	Benchtop sample preparation system
Instrument capability	Automated nucleic acid extraction, purification, and quantitation
Number of samples per run	12 FFPE tissue samples (DNA and RNA) or 6 plasma samples
Specimen types	Plasma; whole blood; PBL; and lysate from FFPE tissue, fresh-frozen tissue, and bone marrow
Specimen input volumes	200 µL FFPE lysate (5–80 µm tissue), 1–4 mL plasma
Elution volume	30–100 µL
Dimensions (D x W x H)	23 x 36 x 26.5 in.
Weight	150 lb
Power	100–240 VAC, 50/60 Hz, 5–12 A
Warranty	12 months
Extended service warranty	AB Assurance Service Contract available
Software	Ion Torrent™ Genexus™ Software

Ordering information

Product	Cat. No.
Genexus Purification System	

Find out more at thermofisher.com/genexus