

Precision Medicine

NextAmp™ Analysis System

Complicated Molecular Diagnostics Made Easy

NextAmp™ is a fully integrated molecular diagnostics platform integrating qPCR and digital PCR for high-throughput, multi-biomarker analysis. Powered by a combination of PanelChip®/DigiChip™, Q Station™, and AI-driven software, it delivers fast, accurate results with minimal hands-on time. The PanelChip®, preloaded with primers/probes across 2,500 nanowells, minimizes variation, labor, and assay development time. Its closed-system design ensures data integrity and robust IP security. Supporting fixed and customizable panels, NextAmp™ enables flexible applications in clinical and research settings. With a simple 3-step loading process completed in 10 seconds, and a 2-hour sample-to-report turnaround, it offers a streamlined, decentralized alternative to traditional workflows.



Key Features

EASY-TO-USE

Delivered ready-to-use assays with simpler operation, simultaneously analyzing up to 100 biomarkers in 2 hours

DECENTRALIZED

Simple operation and compact instrument footprint allows easy implementation in most service labs

AFFORDABLE

Cost-effective, simple precision medicine diagnostics than NGS, with minimal sample preparation and data analysis

PRODUCED-TO-SPEC

Custom assays, based on customer's need, are supported by experienced R&D team and produced under ISO 13485 standard

Summary of NextAmp™ Analysis System

Properties	Specifications
Analyte	Nucleic acids
Amplification Mode	Digital PCR (with DigiChip™) Quantification Real-Time PCR (with PanelChip®)
Applications	Single Nucleotide Variation (SNV) Detection Fusion Gene Detection Gene Expression Analysis miRNA Expression Analysis lncRNA Expression Analysis
Instrument	Q Station™
Consumables	Assay kits (including PanelChip® or DigiChip™) (Order separately)
Throughput	1 to 6 sample / run (flexible)
Hands-on Time	10-15 min
Total Operation Time (from input analyte)	2 hrs
Instrument Weight	51 kg
Expandable System	NextAmp™ Analysis Software

Ordering Information – Q Station™ Series

Reference No.	Product Name	Package Size	Note
QST-3000-1 QST-3000-2	Q Station™ 3000	1 Set	For research use only
QST-Dx1000-1 QST-Dx1000-2	Q Station™ Dx 1000	1 Set	CE-IVD

* Accessories, assay kits and other system required for NextAmp™ Analysis System will be provided separately from the Q Station™.

For more information, please contact: info@quarkbiotechnology.com