

Set the Standard in Clinical NGS Sample QC

Agilent 4150 and 4200 TapeStationDx systems for in vitro diagnostics





Build Confidence in Clinical NGS with Reliable Sample QC

The Agilent TapeStationDx systems are automated electrophoresis solutions for quality control (QC) of DNA and RNA samples isolated from human specimen in clinical and regulated laboratory environments.

Designed to support diagnostic and other regulated workflows, TapeStationDx systems combine a CE-IVD-labeled, compact benchtop instrument with Agilent TapeStationDx software, supporting compliant instrument control and integrated data analysis. Together, they deliver fast, reproducible, and traceable results, helping laboratories safeguard downstream molecular assays with confidence.

Fast, easy-to-use, automated sample QC

Perform sample QC in three simple steps:



Step 1: Prepare your samples



Step 2: Load samples into the TapeStationDx system



Step 3: Start the run and review results with TapeStationDx software

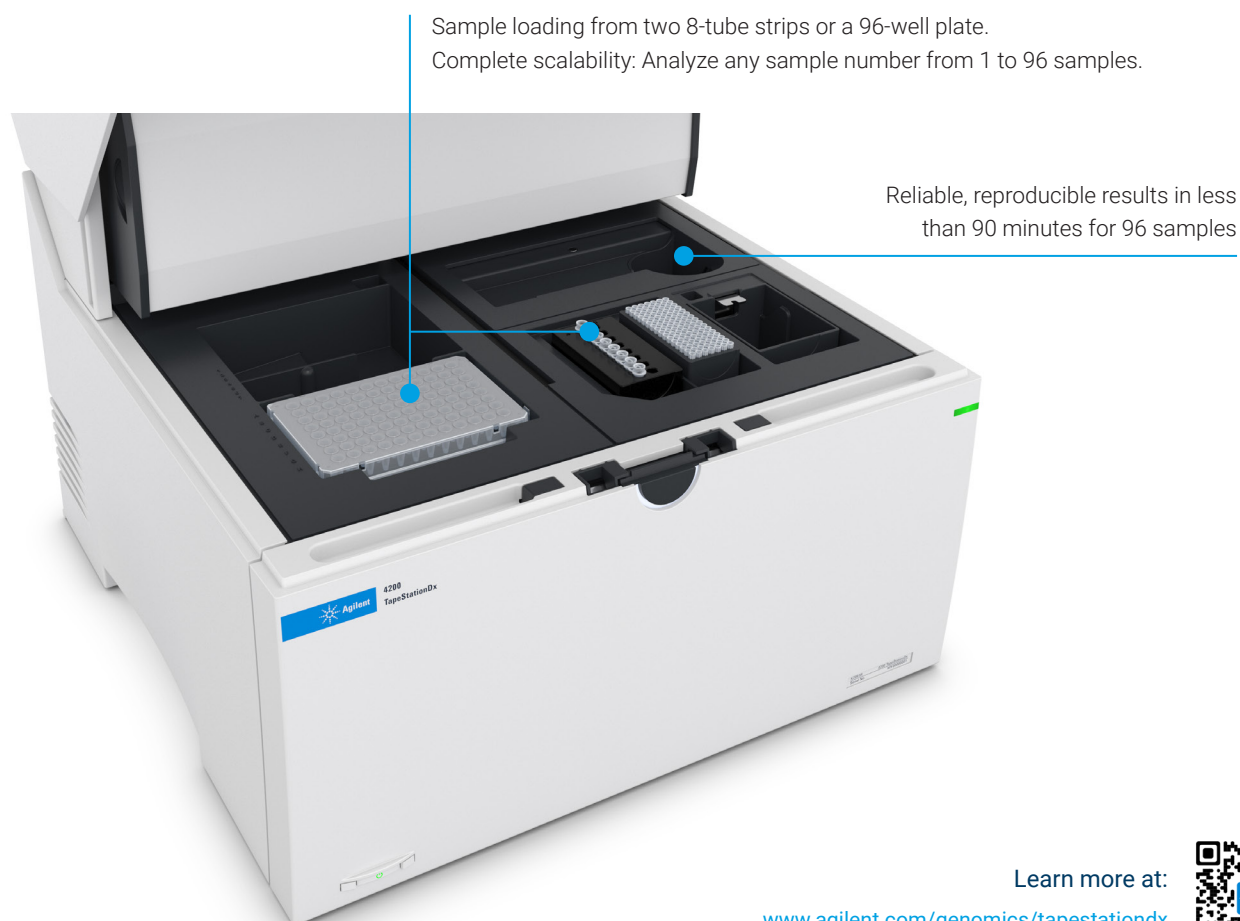
Scale Your Sample QC for Regulated Diagnostic Workflows

TapeStationDx systems are designed for clinical and regulated laboratories, combining compliant, automated sample processing with operational simplicity—supported by expert service to ensure reliable operation. They deliver consistent cost-per-sample, flexible application support, and fast, reliable results in just 1–2 minutes per sample, while preserving valuable patient material with minimal sample input ($\leq 2 \mu\text{L}$).

Choose the system that fits your throughput needs:

4200 TapeStationDx system

High-throughput flexibility for dynamic lab environments: Delivers scalable sample QC from low to high throughput with flexible loading options—ideal for laboratories handling varying sample volumes.



Learn more at:

www.agilent.com/genomics/tapestationdx



4150 TapeStationDx system

Optimized for lower throughput and space-constrained labs: Provides efficient QC for smaller batches with compact footprint.



Sample loading from two 8-tube strips. Complete scalability: Analyze any sample number from 1 to 16 samples.

Reliable, reproducible results in less than 20 minutes for 16 samples

Small footprint saves valuable bench space in your laboratory

Reliable performance, backed by expert support

Unplanned instrument downtime disrupts workflows, delays results, and drives up costs. Most critically, delayed results can negatively affect patient care when timely decisions matter most.

Agilent CrossLab services help keep TapeStationDx systems performing at peak levels while supporting compliance. Routine maintenance and qualification safeguard data accuracy and traceability, while expert support minimizes disruption and keeps your lab running with confidence.



Download brochure

www.agilent.com/genomics/services



QC Results You Can Rely on in Regulated Workflows

In clinical laboratories, data integrity is key—results must be secure, traceable, inspection-ready without slowing workflows. TapeStationDx software supports a compliant environment for nucleic acid QC, supporting IVDR, and 21 CFR Part 11–aligned frameworks. It enables laboratories to focus on what matters most: making confident decisions based on reliable data.



Built to protect data integrity— from sample to report

TapeStationDx software is engineered to safeguard data throughout its entire lifecycle—from acquisition to analysis and review—helping laboratories maintain full control and confidence in their results.



Secure access control

Prevents unauthorized access and reduces risk of data manipulation.

- Role-based user management
- Secure login and authentication



Full traceability

Enables fast, inspection-ready documentation. Every critical action is automatically recorded, creating a transparent and traceable history.

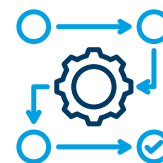
- Complete audit trails and system logs
- Traceability from sample to report



eSignatures and approval

Accelerating results release while supporting full compliance with electronic record requirements.

- Integrated electronic signatures
- Configurable approval steps



Built for regulated workflows

Simplifying compliance without adding complexity.

- Supports data integrity and traceability expectations aligned with 21 CFR Part 11 and Annex 11
- Enables inspection readiness under IVDR and CE-IVD frameworks
- Reduces administrative burden through built-in compliance features

Learn more about the software at
www.agilent.com/genomics/tapestationdx-software



Sustainable. Transparent. Verified

The Agilent TapeStationDx systems are certified with the Accountability, Consistency, and Transparency (ACT) label from My Green Lab. The ACT label provides clear, third-party verified information on the environmental impact of manufacturing, using, and disposing of a product and its packaging—helping laboratories make more informed and sustainable purchasing decisions.

Learn more:

www.agilent.com/chem/my-green-lab



my green lab.
ACT Ecolabel

Learn more:

www.agilent.com/genomics/tapestationdx

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Trusted Answers