



Agilent 4200 TapeStation System

A complete solution for end-to-end electrophoretic quality control of DNA and RNA samples

Automated sample processing for quick and reliable sample QC

The Agilent 4200 TapeStation system provides end-to-end sample QC within any next-generation sequencing (NGS), microarray (including array CGH), or qPCR workflow. The system offers walk-away operation with fully automated sample processing.

The 4200 TapeStation software comprises functionality for instrument control and data analysis. It is intuitive and presents the automatically analyzed data as a familiar gel image and electropherogram for each sample.

For the complete portfolio of DNA and RNA assays, any sample number from 1 up to 96 samples can be analyzed at constant cost per sample. The ready-to-use ScreenTape technology enables ultimate flexibility for switching between assays as well as sample preparation. The system handles your samples in 2 x 8-tube strips or 96-well microtiter plates and enables you to review reliable results within 1–2 minutes per sample, or less than 90 minutes for 96 samples.

And, with sensitive detection and zero carryover, you get the utmost confidence in your results, ensuring your downstream workflow is a complete success.



Key Features

Automated

Walk-away operation with fully automated sample processing.

Scalable

Individual channels facilitate variable throughput from 1–96 samples at constant cost.

Flexible

Ready-to-use ScreenTape technology enables easy switching between DNA and RNA assays. Sample can be provided in either 16-tube strips or 96-well microtiter plates.

Fast

Simplify your workflow—no system setup procedures are required—and get reliable results in as little as 1–2 minutes per sample, even for 96 samples.

Excellent reproducibility

Achieve user-independent results through minimal manual intervention.

Low sample need

Requires only 1–2 μL of your precious samples per run—even for high sensitivity analysis.

Zero carryover

In addition to individual filtered loading tips each samples is analyzed in a discrete ScreenTape lane.

Protect sample performance

Avoid sample evaporation by covering your 96-well **microtiter** plates with foil.

Small footprint

Save valuable bench space in your lab with a compact system offering the complete sample QC solution.



Agilent Technologies

4200 TapeStation Instrument, Consumables and Accessories

4200 TapeStation Instrument		
4200 TapeStation system For RNA and DNA analysis	Includes 4200 TapeStation instrument, laptop with 4200 TapeStation software, vortexer, accessories, consumables, and user information.	G2991AA
4200 TapeStation Consumables		
Loading tips	Pack of 112 tips	5067-5598
	10 packs of 112 tips	5067-5599
Sample tube strips	Optical tube, 8x strip, box of 120	401428
	Optical cap, 8x strip, box of 120	401425
96-well sample plates	Pack of 25 plates	5042-8502
96-well plate foil seal	Pack of 100 foils	5067-5154
TapeStation test tape	One tape	5067-5601
4200 TapeStation Accessories		
ScreenTape rack	One rack	G2991-40007
Tip waste bucket	One bucket	G2992-40046
Tube strip holder	One holder	G2992-40042
USB male-A – male-B	One cable	5188-8047

ScreenTape Technology for Confident DNA and RNA Analysis

DNA analysis

- DNA sizing and quantification in the range 35 bp to 60 kbp and 5 pg/μL to 100 ng/μL
- DNA Integrity Number (DIN) provided by the Genomic DNA ScreenTape assay for unambiguous DNA integrity assessment

RNA analysis

- RNA sizing and quantification in the range 100 to 6000 nt and 100 pg/μL to 500 ng/μL
- RNA Integrity Number equivalent (RIN^e) feature for unambiguous RNA integrity assessment

4200 TapeStation ScreenTape Assays

ScreenTape Assays		
ScreenTape Consumables	D1000 ScreenTape	5067-5582
Includes 7 ScreenTape devices	High Sensitivity D1000 ScreenTape	5067-5584
	D5000 ScreenTape	5067-5588
	High Sensitivity D5000 ScreenTape	5067-5592
	Genomic DNA ScreenTape	5067-5365
	RNA ScreenTape	5067-5576
	High Sensitivity RNA ScreenTape	5067-5579
	DNA Reagents	D1000 Reagents
Includes ladder and sample buffer	High Sensitivity D1000 Reagents	5067-5585
	D5000 Reagents	5067-5589
	High Sensitivity D5000 Reagents	5067-5593
	Genomic DNA Reagents	5067-5366
	DNA Ladder	D1000 Ladder
Includes additional ladder	High Sensitivity D1000 Ladder	5067-5587
	D5000 Ladder	5067-5590
	High Sensitivity D5000 Ladder	5067-5594
RNA Reagents	RNA ScreenTape Sample Buffer	5067-5577
RNA Ladder	High Sensitivity RNA ScreenTape Sample Buffer	5067-5580
	RNA ScreenTape Ladder	5067-5578
	High Sensitivity RNA ScreenTape Ladder	5067-5581

4200 TapeStation Specifications

Specifications 4200 TapeStation Instrument	
Weight:	25.5 kg (56.3 lb)
Dimensions (w x d x h):	435 x 500 x 445 mm (17.1 x 20.0 x 17.5 inches)
Line voltage:	100-240 V AC
Line frequency:	50-60 Hz
Power consumption:	50 VA



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Published in USA, October 1, 2015
Publication Number 5991-6029EN