Automated Sample Processing With Operational Simplicity

The 4150 TapeStation system makes sample quality control (QC) within next-generation sequencing (NGS) and biobank workflows easier and more economical than ever. The affordable, entry-level system is ideal for labs handling smaller number of samples. Up to 16 samples can be processed per run.

The 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 to 16 samples can be analyzed at constant cost per sample. The ready-to-use ScreenTape technology enables ultimate flexibility for switching between assays. The system handles your samples in two 8-tube strips and allows you to review reliable results within 1 to 2 minutes per sample, or less than 20 minutes for 16 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
- **Ease-of-use**: Ready-to-use consumables ensure operational simplicity
- **Economical**: Constant cost per sample in combination with low cost of ownership.
- **Flexible**: Large DNA and RNA ScreenTape assay portfolio. Samples are provided in two 8-tube strips.
- **Fast**: Reliable, reproducible results within 1-2 minutes per sample and less than 20 minutes for 16 samples.
- **Low sample need**: Requires only 1 to 2 μL of your precious samples per run—even for high sensitivity analysis.
- **Small footprint**: Save valuable bench space in your lab with a compact system offering a complete sample QC solution.
- **Seamless upgrade**: Easy upgrade to 4200 TapeStation system is guaranteed by complete application and software compatibility.

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\text{e}) feature for unambiguous RNA integrity assessment

www.agilent.com/chem/tapestation