



Build Consistency into Your Lab's Workflow

With the Agilent Automated Electrophoresis portfolio



Build Consistency with Reliable Sample Quality Assessment

You can build consistency into your molecular biology lab's workflow. Whether you perform low- or ultra-high-throughput testing, our automated electrophoresis instrument portfolio delivers reliable, objective assessments of sample integrity, concentration, and fragment size.



Build Consistency with a Complete Solution

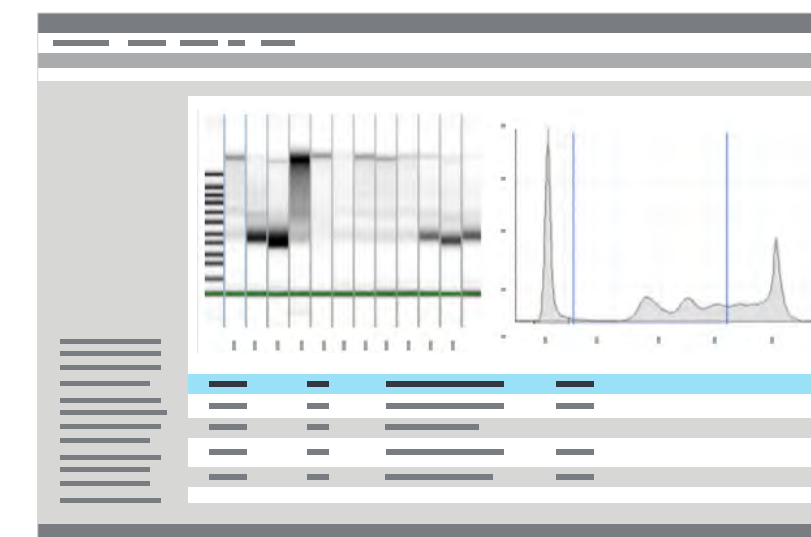
No matter your laboratory's sample capacity needs, our complete portfolio of automated electrophoresis instruments, application-specific assays, intuitive software, and expert technical services provide your lab with flexible solutions for robust and objective sample quality assessment.



Agilent automated electrophoresis portfolio instruments



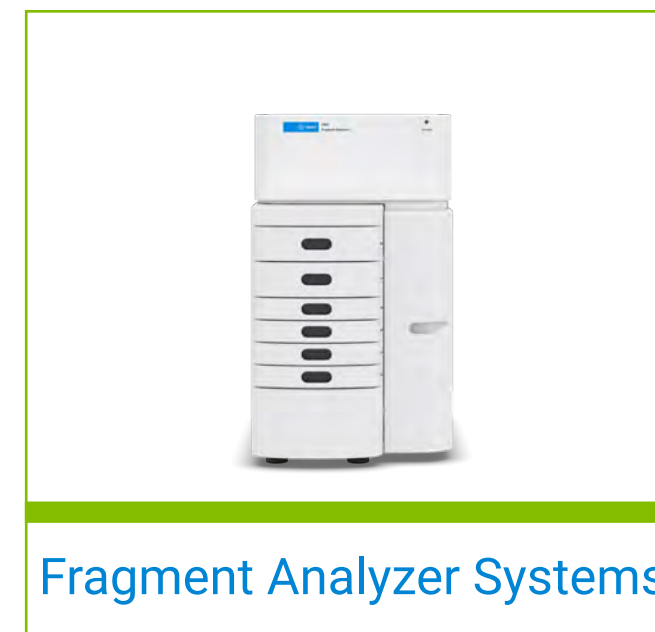
Application-specific kits and reagents



Instrument control and data analysis software

Instrument Options for a Variety of Nucleic Acid and Protein Applications

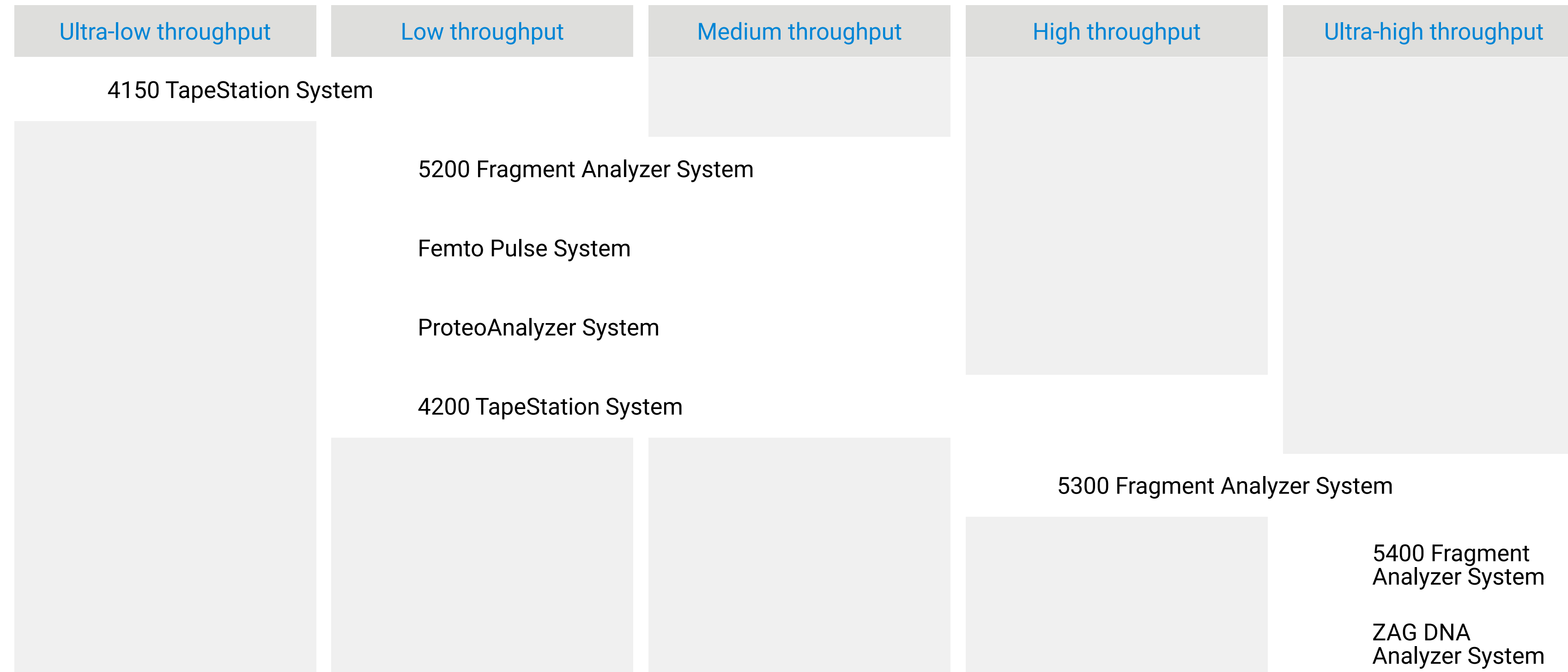
Whether you need to assess the integrity of nucleic acids or protein samples, our automated electrophoresis instruments can support your application.



DNA applications

Instrument Options for Any Throughput

You can build consistency into your lab's workflow by assessing the quantity and integrity of your nucleic acid samples. If your lab's sample capacity is ultra-low, medium, or ultra-high, Agilent has the sample quality control and fragment analysis solution that fits your need.



Proven Sample Quality Metrics for Multiple Applications

Whether you are working with genomic DNA (gDNA), cell-free DNA (cfDNA), or FFPE RNA, you can find reliable quality metrics suited to your application. Explore each of the quality metrics below and learn about their use in sample quality control on automated electrophoresis instruments.



RNA

RIN^e

RQN

FFPE RNA

DV₂₀₀

gDNA/FFPE DNA

DIN

GQN

cfDNA

%cfDNA

The Agilent Oligo Pro II, ZAG and ProteoAnalyzer systems do not offer quality metrics.

Nucleic Acid Analysis with Automated Electrophoresis Systems

Improve molecular workflows such as next-generation sequencing, gene engineering, and biopharmaceutical research with fragment analysis and sample quality control. Our automated electrophoresis systems offer flexibility for a wide range of DNA and RNA applications.

TapeStation Systems

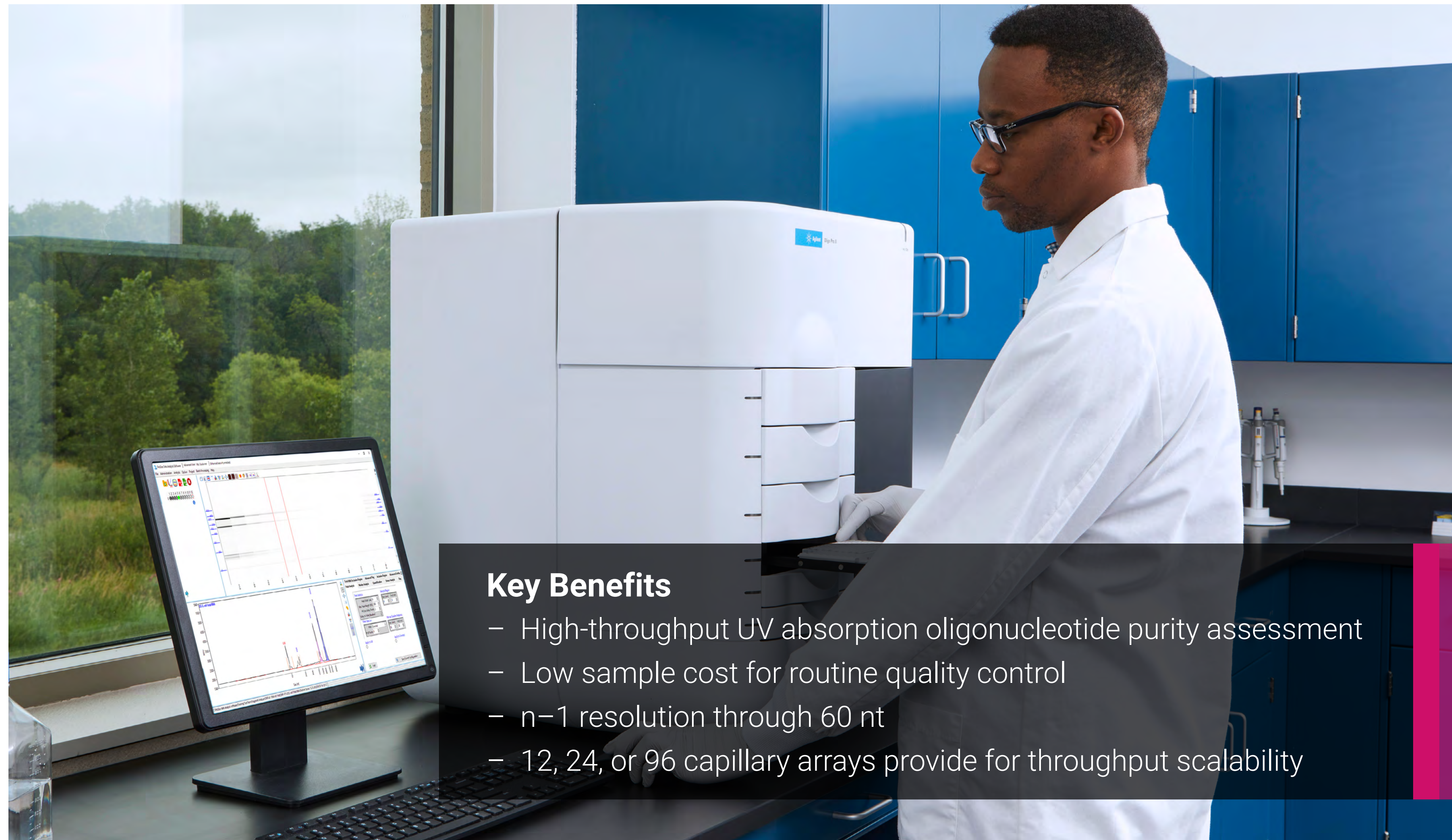
Fragment Analyzer Systems

Femto Pulse System

ZAG System

Oligonucleotide Purity Analysis with the Agilent Oligo Pro II System

Oligonucleotide synthesis and purification is a complex, multi-step process. It is critical for the manufacturer and end-user of oligonucleotides to know that the purity of their oligonucleotides is of sufficient quality for the intended downstream application.



Agilent Oligo Pro II System

The Agilent Oligo Pro II system is a specialized solution within the automated electrophoresis portfolio.

It provides high-resolution separations and direct detection of both single-stranded DNA (ssDNA) and single-stranded RNA (ssRNA) oligonucleotides.

Key Benefits

- High-throughput UV absorption oligonucleotide purity assessment
- Low sample cost for routine quality control
- n-1 resolution through 60 nt
- 12, 24, or 96 capillary arrays provide for throughput scalability

Protein Analysis with the Agilent ProteoAnalyzer System

Proteins, essential for understanding cellular functions, analyzing disease mechanisms, and developing biotherapeutics, present a challenge for analysis due to their diversity. The Agilent ProteoAnalyzer enables scientists to make confident decisions across various disciplines.



Key Benefits

- Automated separation, capillary rejuvenation, and data processing
- Simplified, streamlined sample preparation
- Wide range of protein sample types

Agilent ProteoAnalyzer System

The Agilent ProteoAnalyzer system brings added efficiency, versatility, and reliability for protein QC workflows.

Able to separate 12 samples in as little as 30 minutes, this system is designed to eliminate the laborious process of SDS-PAGE gel preparation, staining, destaining, and analysis.

Protect the Instruments that Power Your Sample QC and Fragment Analysis Workflows

Maximize uptime, ensure instrument compliance, and control your service costs with Agilent CrossLab services for your automated electrophoresis instruments.



	4150 and 4200 TapeStation Systems	Fragment Analyzer System	Femto Pulse System	ProteoAnalyzer System	ZAG DNA Analyzer System	Oligo Pro II System
Repair Type	IE Preferred/RTA	Onsite	Onsite	Onsite	Onsite	Onsite
Extended Warranty	✓					
Enhanced Extended Warranty	✓	✓	✓	✓	✓	✓
CrossLab Service Plans	✓	✓	✓	✓	✓	✓
Preventive Maintenance	✓	✓	✓	✓	✓	✓
Compliance (IQ/OQ)	✓	✓				

IE = Instrument Exchange **RTA** = Return to Agilent

Kits and Reagents for the Automated Electrophoresis Systems

Application-specific kits and reagents have been designed for each of the automated electrophoresis systems. Click the links below to learn how each kit works with its instrument to deliver reliable sample integrity insights.



ScreenTape devices for TapeStation systems

- [DNA ScreenTape devices and reagents](#)
- [RNA ScreenTape devices and reagents](#)

Automated capillary electrophoresis kits for the Fragment Analyzer, Femto Pulse, ZAG, Oligo Pro II and ProteoAnalyzer systems

- [Fragment Analyzer DNA kits](#)
- [Fragment Analyzer RNA kits](#)
- [Femto Pulse DNA kits](#)
- [Femto Pulse RNA kits](#)
- [ZAG dsDNA kits](#)
- [Oligo Pro II Reagents](#)
- [Protein Broad Range P240 kit](#)

More Online Resources

Visit our sample quality control solution pages to find technical overviews, application notes, webinars, and videos for NGS workflows, vaccine development and biobanks



Are you interested in the

Automated Electrophoresis Portfolio?



Let us know your lab's needs and we will contact you to find the best solution to meet them.

For Research Use Only. Not for use in diagnostic procedures.

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