

Nothing has changed, except everything

Introducing the SeqStudio Genetic Analyzer

Same workflow, same trusted technology—now with an innovative all-in-one cartridge that reduces setup time from hours to minutes. The new Applied Biosystems™ SeqStudio™ Genetic Analyzer is a low-throughput, easy-to-use, and convenient benchtop system that delivers gold-standard Sanger sequencing and fragment analysis with just a simple click. It is easily used across a broad range of applications as well as multiple users.

Just click. That's it.

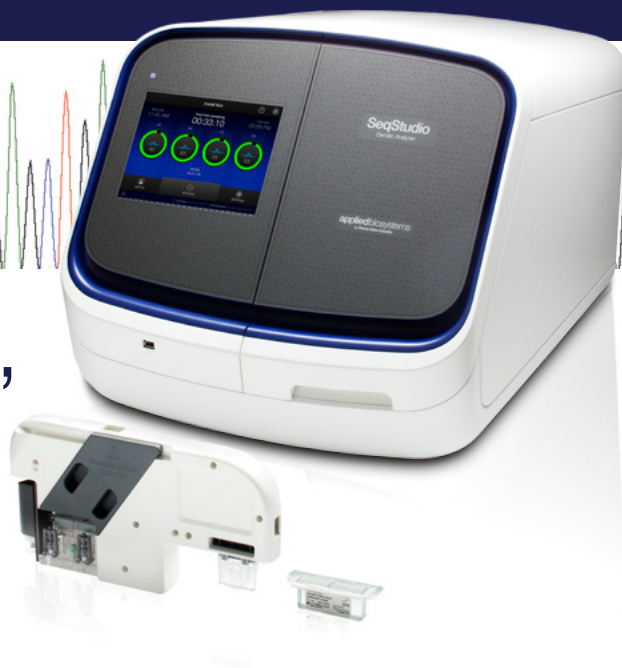
Load up your samples, click in the cartridge, and go—no need for technical experts for setup or maintenance, no calibration before each run, and no installation of capillaries, polymer, and anode buffer. The cartridge is stable for 4 months on the instrument.


Access your data anytime, anywhere*


This cloud-enabled system is integrated with Thermo Fisher Connect so you can set up your run, check its progress, and access your data from wherever you have Internet access, all without the need to stay in the lab.* Cloud-based Applied Biosystems™ Sanger Analysis modules are available for secondary analysis.


Get the same data quality, service, and support you've come to expect from Applied Biosystems™ technology with a modernized experience at a price any lab can afford.


* Internet connection and Thermo Fisher Cloud account required.





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Convenient and easy-to-use cartridge system includes the capillaries, polymer, and buffers required for each run
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Combine Sanger sequencing and fragment analysis reactions in the same instrument run
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Fast turnaround with a run time in as little as 30 minutes
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Set up and monitor your run. View, manage, and share your data from anywhere, using your phone, tablet, or computer (Apple™ computer or PC).*
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1-year instrument warranty included, and in-lab application training will get you up and running quickly
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Secondary analysis software package included with system purchase

Same workflow, same trusted data. Now with one-click convenience.

Sanger sequencing workflow

Primer design and amplification



Amplify the DNA region of interest: select from pre-designed primer pairs or design your own

PCR clean-up



Clean up your sample with one-tube, one-step PCR clean-up using Applied Biosystems™ ExoSAP-IT™ Express reagent

Cycle sequencing



Generate sequencing products by cycle sequencing

Sequencing clean-up



Purify reactions to remove unincorporated Applied Biosystems™ BigDye™ terminators and salts

Analyze Sanger sequencing data



Translate raw data into corresponding electropherograms

Fragment analysis workflow

PCR amplification



Amplify the DNA fragment of interest by PCR using 5' fluorescent-labeled primer

Prepare sample for analysis



Add aliquot of PCR product to size standard, denature, and proceed with electrophoresis

Run samples



Perform capillary electrophoresis

Analyze fragment analysis data



Analyze the fragment profile

Applications

Sanger sequencing

Resequencing, NGS confirmation, indels, heterozygote detection, and minor variant detection

Fragment analysis

Microsatellite analysis, compatible with MLPA™ amplification, Applied Biosystems™ SNaPshot™ applications, and cell line authentication

Service, support, and training

We offer a range of service options, plans, and warranties to improve productivity, increase instrument uptime, and lower the total cost of ownership. SmartStart orientation with in-lab application training helps get you started with your new instrument more quickly.

Ordering information

Product	Cat. No.
SeqStudio Genetic Analyzer System with SmartStart	A35644
SeqStudio Genetic Analyzer	A34274
SeqStudio Cartridge	A33671
SeqStudio Analysis Software	4443764
SeqStudio Starter Kit	A35000
SeqStudio Full-Day SmartStart Training	A34684
Cathode Buffer Container	A33401
Integrated Capillary Protector	A31923

Find out more at thermofisher.com/seqstudio