



3500 Dx Series Genetic Analyzers with 3500 Dx Series Data Collection Software 3 IVD v3.0.1

Flexible *in vitro* diagnostic workflow environments

Developed with the needs of clinical labs in mind

The Applied Biosystems™ 3500 Dx Series Genetic Analyzers with 3500 Dx Series Data Collection Software 3 IVD v3.0.1 deliver flexibility by offering dual-mode capability within the same system to help meet the needs of today and tomorrow.

The secure Diagnostic Mode supports run modules that will perform both Sanger sequencing and fragment analysis.

To accommodate various demands on throughput, we offer two models—the 8-capillary Applied Biosystems™ 3500 Dx Genetic Analyzer for low throughput and the 24-capillary Applied Biosystems™ 3500xL Dx Genetic Analyzer for medium throughput, giving you even more flexibility to meet your lab's throughput needs.

The systems include the *in vitro* diagnostic IVD instrument, data collection software, and IVD consumables and reagents—the tools you need for high-quality results in your process-controlled environment.

DNA sequencing

Sanger sequencing is the gold standard for sequencing technology in that it provides a high degree of accuracy and long-read capabilities. The 3500 Dx Series instruments, used in combination with Applied Biosystems™ cycle sequencing kits, exceed expectations by delivering more automation, performance, data quality checks, and ease of operation.

Fragment analysis

Fragment analysis comprises a series of techniques in which DNA fragments are fluorescently labeled, separated by capillary electrophoresis (CE), and sized by comparison to an internal standard. Designed to detect up to six fluorescent dyes simultaneously, 3500 Dx Series instruments deliver high levels of throughput. The advanced optical manufacturing processes, an optimized reagent for normalization, and specifically designed algorithms work together to provide signal uniformity for demanding DNA fragment analysis applications.



Accurate

The 3500 Dx Series Genetic Analyzers, using Sanger sequencing, are designed to deliver the accuracy you demand.

Simple

Designed with you in mind, the 3500 Dx Series Genetic Analyzers give you automated operation, easy-to-install consumables, and electronic tracking of instrument performance and maintenance tasks—so you can focus on the outcome.

Flexible

The systems come in an 8-capillary version (3500 Dx) and 24-capillary version (3500xL Dx) to align with your throughput needs.

Backed by the support you expect from an industry leader

Keeping your lab operational is critical. Our technical and field service support staff respond quickly to your calls so that you can continue to respond to those who depend on you for results.



Your investment for the future

With intuitive hardware design, easy-to-use consumables, and powerful software, 3500 Dx Series instruments help deliver high levels of performance and convenience to the work that you do every day. The 3500 Dx Series Genetic Analyzers are built to help meet your lab's compliance requirements. The systems embody the commitment of Thermo Fisher Scientific to providing laboratories with trusted, versatile, and innovative tools for molecular diagnostic testing.

When you equip your laboratory with the 3500 Dx Genetic Analyzer with 3500 Dx Series Data Collection Software 3 IVD v3.0.1, you equip yourself with performance you can trust, the security you need, and the flexibility you want. Why choose anything else?

It works the way you do— quickly, easily, confidently

The 3500 Dx Series Genetic Analyzers are to be used by technologists trained in laboratory techniques, procedures, and uses of the analyzer. With heightened confidence in your genetic analyzer's results, you are freed to focus on other aspects of your daily workflow.

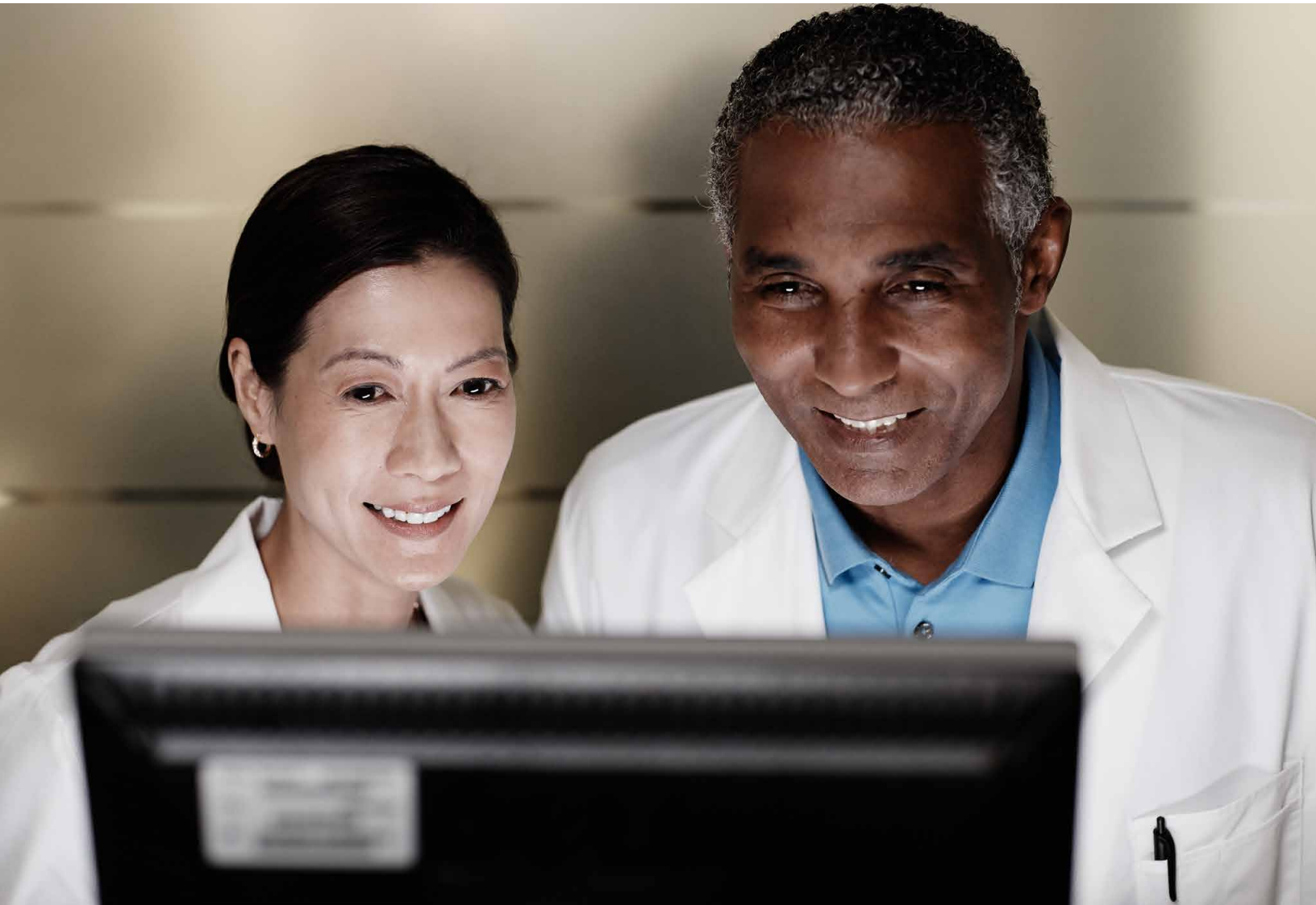
Make it simple—with easy-to-install, trackable, auditable consumables

Incorporating well-designed and easily deployed consumables, the 3500 Dx Series Genetic Analyzers were designed to simplify instrument operation and streamline critical administrative and QC procedures and reports.

- **Reduced hands-on time**—just snap in the capillary array, polymer pouch, and prefilled buffer containers, and go
- **Traceable usage**—radio-frequency identification (RFID) tags allow viewing, tracking, and reporting of critical information about reagents and consumables (usage, lot number, part number, expiry date, and on-instrument lifetime)



Confidence in your results



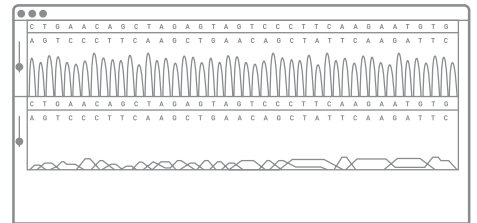
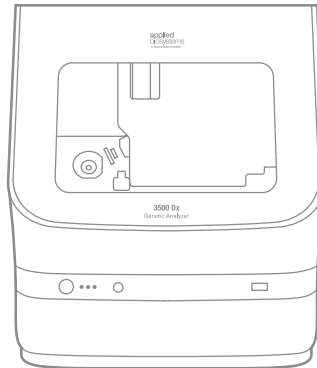
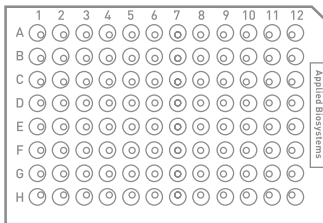
Reliable technology

The 3500 Dx Series Genetic Analyzers are built on the legacy of Applied Biosystems™ genetic analysis systems, the trusted name for Sanger sequencing and fragment analysis. Sanger sequencing remains the gold standard for providing the reliable results clinical labs need.

Trusted performance

The 3500 Dx Series Genetic Analyzers set a high standard in capillary electrophoresis—integrating optical and thermal subsystems and pioneering an innovative system of consumables. Working together, these elements provide optimal levels of performance to help assure that end-to-end quality and reliability are at the level your assays demand.

3500 Dx Genetic Analyzer—easy setup to intuitive data review



Set up instrument

Fast and easy setup—just enter sample and assay information

Run capillary electrophoresis

Start your run in as few as three clicks

Evaluate and audit data

Intuitive software allows quick data review, automated tracking of consumables, and recordkeeping for lab inspections

User-friendly software enables accurate, secure, and easy data collection

The 3500 Dx Series Data Collection Software 3 IVD v3.0.1 makes this an easy capillary electrophoresis system to use—start your run in as few as three clicks. This software offers your lab flexibility for diverse workflows.

- **Simplified functionality**—built-in quality control and software-controlled functions such as plate setup, data collection, and analysis for easy operation
- **Intuitive dashboard**—clear buttons, easy-to-read displays for consumables monitoring, and handy maintenance scheduling calendar
- **Real-time data quality evaluation**—immediate access to base-called or size-called data
- **Preconfigured plate templates**—for standardized and efficient run setup for your diagnostic needs, with the flexibility required for use in a lab

You're never alone—proactive, comprehensive support

There's no time for downtime in your lab. With more than 1,000 trained professionals ready to assist you when you need it, our service solutions for Applied Biosystems™ instruments and applications help keep your lab up and running.

You're covered

Every new instrument purchase comes with a one-year warranty. Longer-term service plans are also available that include guaranteed response times* and priority phone access to our trained and certified technical and instrument support specialists. When purchased at the same time as your instrument, these service plans can help maximize system uptime, reduce overall repair costs, get fast repair turnaround time, extend the life of your instrument, and help keep it running at peak performance.

Beyond repair to proactive care

The AB Assurance Plan is our premium repair plan, designed to maximize instrument performance and help ensure availability of critical systems with preventive maintenance, proactive instrument monitoring, remote diagnostic capabilities, and—should one of your instruments require repair—a fast response.

Qualification services

Whether you need a qualification performed with a new installation or after a qualifying service event, our qualification services provide documentation to verify that your instrument is performing according to manufacturer's specifications.

Your instruments are now easier to manage

All your instrument use and care records are now in one place—the no-cost, no-hassle Instrument Management tool. Get instant access to the complete service history of your instruments, check instrument availability, schedule instrument time from anywhere in the world, and more. Learn more at thermofisher.com/easiertomanage.

Education services help enable your success

It can be difficult to prepare yourself for what's next while you're focused on the work you have now. Our professional, interactive training courses make it easier. We offer a combination of virtual and in-person classroom instruction, and hands-on learning in your lab to match your schedule, budget, and learning preferences. Whichever course style you choose, you'll learn from one of our 300 highly skilled application scientists who are available to lead sessions online, at your location, or at one of our 12 training centers located worldwide.

Explore our services and support solutions at thermofisher.com/instrumentservices

* Guaranteed response times are dependent on type of service plan and geographic region.

Ordering information

Product	Cat. No.
IVD instruments including 3500 Dx Series Data Collection Software 3 IVD v3.0.1 for fragment analysis and sequencing	
3500xL Dx Genetic Analyzer, 8 capillary	A27772
3500xL Dx Genetic Analyzer, 24 capillary	A27856



Find out more at thermofisher.com/3500dx

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