

Applied Biosystems 3130 Genetic Analyzer System Upgrades

Go from Good to Great: Transform your 3100 Series System into an Applied Biosystems 3130 Series Genetic Analyzer

- Minimal set-up and simple operation – the new automated polymer delivery system eliminates the need for syringe filling, maintenance, and clean-up.
- Enhanced performance – a new detection cell heater and optimized 3130 POP-7™ modules provide more consistent, higher quality data for both sequencing and fragment analysis with faster turnaround times.
- Long-term reliability – robust engineering and extremely low maintenance requirements are ideal for high-use and multiple-user environments.
- Increased data quality – longer read length and higher resolution with shorter run times across a wider selection of applications.
- Expanded one-polymer, one-array functionality – seamlessly switch between sequencing and fragment analysis runs, even in the same plate.
- Continuous, unattended, 24-hour operation – fully automated polymer delivery, sample injection, separation, detection, and data analysis.
- Windows XP® support – for improved operating system security and reliability.
- Overall system improvements for an easier-to-use, robust system – capable of delivering expert results.



Figure 1. Improved Sequencing Throughput and Length of Read with Decreased Run Times by Upgrading to the 3130 Series Genetic Analyzer

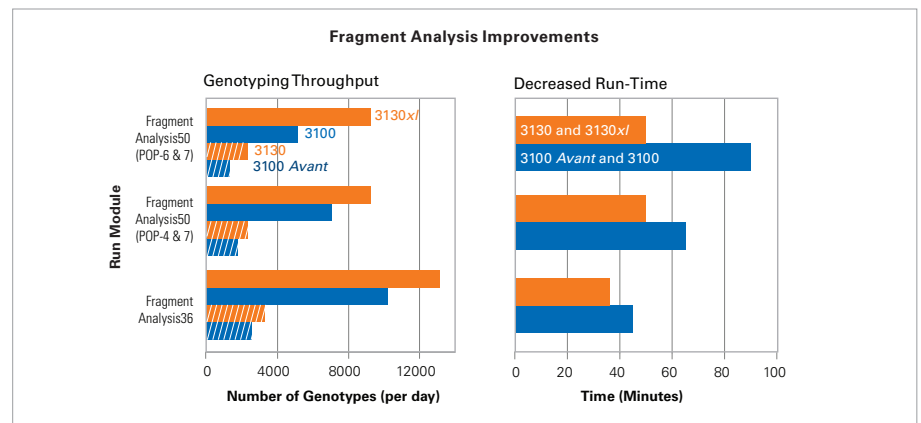


Figure 2. Improved Genotyping Throughput and Decreased Run Times by Upgrading to the 3130 Series Genetic Analyzer

Upgrading to a 3130 Series Genetic Analyzer Makes Sense

Applied Biosystems 3130 Series Genetic Analyzers offer both the flexibility and performance that low- to medium-throughput laboratories need to fulfill their research goals. The 4-capillary 3130 system and the 16-capillary 3130x/ system deliver improved performance – higher data quality, enhanced automation, faster turnaround times, and higher reliability – across an extensive range of

sequencing, resequencing, and fragment analysis applications.

Now researchers who require increased performance or higher sample throughput can make the most of their 4-capillary 3100-Avant or 16-capillary 3100 Genetic Analyzer investment by upgrading to the Applied Biosystems 3130 or 3130x/ Genetic Analyzer. The upgraded systems greatly expand the utility of your genetic analyzer, economizing your time while increasing your laboratory's productivity.

Upgrade Choices to Fit Your Needs

Specific Upgrade Kits supporting Quality and Safety Testing (QST) and Human Identification (HID) applications are available.

In addition, upgrades for the 3130 Series Systems include your choice of two licenses for the latest Applied Biosystems analysis software. Whether your laboratory is dedicated to sequencing,

fragment analysis, or both, there is a software solution to meet your needs.

Laboratories equipped with the 4-capillary 3100-*Avant* Genetic Analyzer can transition to either the 4-capillary 3130 Genetic Analyzer or the 16-capillary 3130x/ Genetic Analyzer – depending on their needs. Laboratories running the 16-capillary 3100 Genetic Analyzer will find the enhanced performance they

require in the 16-capillary Applied Biosystems 3130x/ system upgrade. These upgrades provide the flexibility that most genetic analysis laboratories demand to meet the changing needs of today's research environment.

For More Information

Contact your local sales representative for more information about the 3130 and 3130x/ system upgrades.

ORDERING INFORMATION

| 3130 Series System Upgrades | | | | | | |
|-----------------------------|-----------------------|---------------------------|-----------------------|-------------|--------------------------|--------------------------|
| Starting Platform | Number of Capillaries | Upgrading To | Number of Capillaries | Part Number | QST-Specific Part Number | HID-Specific Part Number |
| 3100- <i>Avant</i> | 4 | 3130 system | 4 | 4359573 | 4363204 | 4363196 |
| 3100- <i>Avant</i> | 4 | 3130 system w/ computer | 4 | 4396844 | 4396846 | 4396845 |
| 3100- <i>Avant</i> | 4 | 3130x/ system | 16 | 4357354 | 4363201 | 4363197 |
| 3100 system | 16 | 3130x/ system | 16 | 4359570 | 4363202 | 4363194 |
| 3100 system | 16 | 3130x/ system w/ computer | 16 | 4359571 | 4363203 | 4363195 |
| 3130 system | 4 | 3130x/ system | 16 | 4357355 | 4363200 | 4371371 |

| Analysis Software Options (Select one of the software options below with each upgrade purchased) | | |
|--|-----------------|-------------|
| Description | Includes | Part Number |
| Sequencing Analysis Software v5.3.1 | 2 licenses | 4362870 |
| GeneMapper® Software v4.0 | 2 licenses | 4362871 |
| Sequencing Analysis Software v5.3.1 and GeneMapper® Software v4.0 | 1 license, each | 4361143 |
| Sequencing Analysis Software v5.3.1 and SeqScape® Software v2.6 | 1 license, each | 4360966 |
| GeneMapper® ID Software v3.2.1 | 2 licenses | 4362869 |
| GeneMapper® ID Software v3.2.1 and Sequencing Analysis Software v5.3.1 | 1 license, each | 4362868 |

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NOTICE TO PURCHASER: The purchase price of the Applied Biosystems 3130/3130x/ Genetic Analyzer includes a grant of a limited, non-transferable license under U.S. patent and method claims of its foreign counterparts, and under U.S. patent and element claims of its foreign counterparts, to use this particular instrument for electrophoresis methods employing fluorescence as a means of detection. No other licenses or rights are hereby conveyed either expressly, by implication, or estoppel including, but not limited to, any claims to a composition. The Applied Biosystems 3130/3130x/ Genetic Analyzer includes patented technology licensed from Hitachi, Ltd. as part of a strategic partnership between Applied Biosystems and Hitachi, Ltd., as well as patented technology of Applied Biosystems.

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