



Data Sheet

QC Toolbox Software Kit, Version 2.0

QC Toolbox is a new software tool which enables researchers to easily verify and calibrate performance of the GeneChip® Scanner 3000 7G. It was developed to provide users of the GeneChip Scanner 3000 series with an instrument calibration tool to assess scanner performance according to user-defined intervals.

Introduction

Comprised of two calibration arrays, a software installation CD, a User's Manual, and a Quick Reference Guide, QC Toolbox provides a means to easily detect any significant scanner changes in Arc Correction and pixel alignment that may have occurred since the prior calibration. Additionally, QC Toolbox integrates with embedded software in the GeneChip® Scanner 3000 7G, which checks for and automatically corrects for changes in "Arc Correction" and "x-linearity" on a scan-by-scan basis.

QC Toolbox Performance

QC Toolbox provides users with a Pass/Fail performance report each time it is run for internal QA documentation and regulatory requirements. Once installed, QC Toolbox provides an effective, hands-free, and rapid method to verify scanner performance when troubleshooting. QC Toolbox can be run as often as the user wishes or in accordance with laboratory Standard Operating Procedures. To gain the benefits of QC Toolbox for monitoring the performance of the GeneChip Scanner 3000 7G, it is recommended QC Toolbox is run at least once per month.

QC Toolbox can be programmed to run at any time within a 24-hour time period, enabling researchers to run the program at night or when the scanner is not being used. Reports are generated automatically. QC Toolbox requires approximately two hours for setup to complete the embedded software upgrade (if required) and to run all selected tests and any calibrations selected.

Software Requirements

QC Toolbox runs on the latest version of the embedded software installed on the GeneChip Scanner 3000 7G and AutoLoader. During the installation process, QC Toolbox software will verify that the scanner is utilizing the latest version of embedded software. If not, the software will prompt the user to update the embedded code which is included on the QC Toolbox CD.

Benefits Summary:

- QC Toolbox allows the following GeneChip Scanner 3000 performance tests and calibrations for each pixel resolution:
 - X-linearity
 - Arc Correction
 - Operational Parameters
- Delayed Start to pre-program QC Toolbox to run anytime within a 24 hr period. Can be set up to run before you arrive in the morning.
- Display report for Pass/Fail Results on QC Toolbox performance. Can be used for archiving and regulatory compliance requirements.
- Set for automatic calibration – option allows user to automatically recalibrate scanner and skip prompt if calibration is required.

Contents included in QC Toolbox

- 2 Calibration Arrays
- 1 Hard Plastic Storage Case
- 1 User Manual
- 1 Quick Reference Card
- 1 Installation CD

Product Specifications

- For use with the Affymetrix GeneChip® Scanner 3000 series only.
- QC Toolbox is not intended for use on the GeneChip® Scanner 3000 Dx Scanner.
- For Research Use Only. Not for use in diagnostic procedures.

Ordering Information

QC Toolbox Software Kit, Version 2.0

00-0225 *QC Toolbox Software Kit,
Version 2.0*
2 Calibration Arrays
1 hard Plastic Storage Case
1 User Manual
1 Quick Reference Card
1 Installation CD

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Not for use in diagnostic procedures.**

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