

# Axiom™ 384HT Array Plate

Catalog Number Multiple

Pub. No. 703159 Rev. 3

**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](http://thermofisher.com/support).

## Product use

The Applied Biosystems™ Axiom™ 384HT Array Plate is designed for the genotyping of single nucleotide polymorphisms (SNPs) and simple insertion/deletions (indels) on 384 samples. This array plate, when used with the Axiom™ 2.0 384HT Reagent Kit (Cat. No. 902245), enables researchers to perform large-scale genotyping studies with minimal hands-on processing per plate. Each plate consists of 384 microarrays and is offered as a part of a complete automated solution from that includes the Biomek™ FX<sup>P</sup> Target Prep Express instrument for sample preparation and the GeneTitan™ Multi-Channel (MC) Instrument for array washing, staining, and scanning.

Samples are prepared for hybridization to the arrays using the Axiom™ 2.0 384HT Reagent Kit (Cat. No. 902245). The reagents for processing Axiom™ 384HT Array Plates on the GeneTitan™ Multi-Channel Instrument are also included in this reagent kit.

The oligonucleotide probes on Axiom™ 384HT Array Plates are synthesized *in situ* using the photolithographic process, which is an identical process to the one used for the Axiom™ 96 Array Plates.

## Instructions for use

The following documents contain instructions for processing samples and information related to the instruments and software required to perform the Axiom™ 2.0 Assay with Axiom™ 384HT Array Plates:

- *Axiom™ 2.0 Assay 384HT Array Format Automated Workflow on the Biomek™ FX<sup>P</sup> User Guide* (Pub. No. 703268, SPG Pub. No. 703269, QR Pub. No. 703270)
- *Axiom™ 2.0 384HT gDNA Sample Preparation Quick Reference* (Pub. No. 703163)
- *GeneTitan™ MC Protocol for Axiom™ 384HT Array Plate Processing Quick Reference* (Pub. No. 703164)
- *GeneTitan™ Multi-Channel Instrument User Guide*, Pub. No. 08-0308 (SPG, Pub. No. 08-0305)
- *GeneChip™ Command Console™ User Guide*, Pub. No. 702569
- *Axiom™ Analysis Suite User Guide*, Pub. No. 703307
- *Axiom™ Genotyping Solution Data Analysis Guide* (Pub. No. 702961)

## Library files

Library files contain information about the array design characteristics, probe use and content, and scanning and analysis parameters. These files are unique for each array. GeneTitan™ MC library files provide instructions for the fluidics and scanning activities on the GeneTitan™ MC Instrument. Analysis library files and annotation files are required for genotyping in Genotyping Console™ software. Contact your field application scientist to get the appropriate library files for your array.

For predesigned arrays, the library files can be located under the specific array product page on our website.

## Reagents, instrumentation, and software required

Unless otherwise indicated, all materials are available through [thermofisher.com](http://thermofisher.com).

MLS: Fisher Scientific ([fisherscientific.com](http://fisherscientific.com)) or other major laboratory supplier.

- Axiom™ 2.0 384HT Reagent Kit, Cat. No. 902245
- Axiom™ 384HT Array Plate
- Beckman Coulter™ Biomek™ FX<sup>P</sup> Target Prep Express
- Axiom™ 384HT Consumable Kit for Biomek™ FX<sup>P</sup>, Cat. No. 902288
- GeneTitan™ MC Instrument
- GeneChip™ Command Console™ software
- Genotyping Console™ Genotyping Console™
- Axiom™ Analysis Suite

For a complete list of reagents and consumables required, refer to the *Axiom™ 2.0 Assay 384HT Array Format Automated Workflow Site Preparation Guide* on the Biomek™ FX<sup>P</sup>, Pub. No. 703269.

## Storage, handling, and stability

The array plates should be stored at 2–8°C and must not be frozen.

The array plates must be protected at all times from damage or exposure to dust. Refer to the expiration date on the package label. Do not use array plates or reagents after the expiration date.

## When handling the 384HT array plate

The array plate is packaged with a blue plastic base and a protective lid, as shown in Figure 1. Remove the array plate, blue plastic base, and protective lid from the pouch with gloved hands. Do not remove the array plate from the blue plastic base or touch the array plate directly. Keep the array plate in the protective base at all times, including when placed on the GeneTitan™ MC Instrument, as shown in Figure 2. Remove and discard the white protective lid.

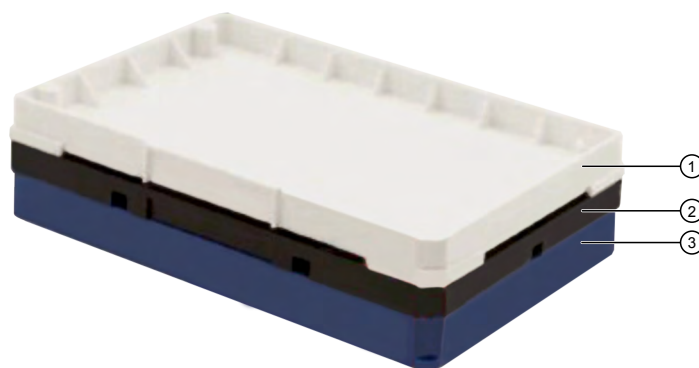


Fig. 1 Array plate as packaged.

- ① White protective lid (discard)
- ② 384HT array plate
- ③ Blue plastic base

## Customer and technical support

Visit [thermofisher.com/support](http://thermofisher.com/support) for the latest in services and support, including:

- Worldwide contact telephone numbers
- Product support, including:
  - Product FAQs
  - Software, patches, and updates
  - Training for many applications and instruments
- Order and web support
- Product documentation, including:
  - User guides, manuals, and protocols
  - Certificates of Analysis
  - Safety Data Sheets (SDSs; also known as MSDSs)

**Note:** For SDSs for reagents and chemicals from other manufacturers, contact the manufacturer.

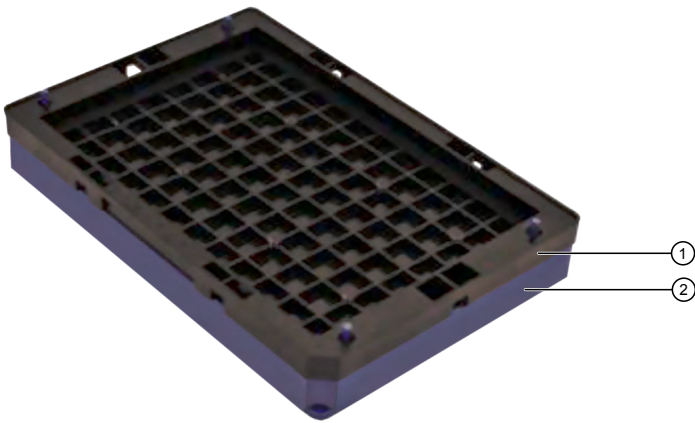


Fig. 2 Array plate as assembled for the GeneTitan™ MC Instrument.

- ① 384HT array plate                      ② Blue plastic base

## Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at [www.thermofisher.com/us/en/home/global/terms-and-conditions.html](http://www.thermofisher.com/us/en/home/global/terms-and-conditions.html). If you have any questions, please contact Life Technologies at [www.thermofisher.com/support](http://www.thermofisher.com/support).



Affymetrix Pte Ltd | 7 Gul Circle #2M-01 | Keppel Logistics Building | Singapore 629563

The information in this guide is subject to change without notice.

**DISCLAIMER:** TO THE EXTENT ALLOWED BY LAW, LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING YOUR USE OF IT.

**Revision history:** Pub. No. 703159

Revision	Date	Description
3	29 October 2017	Update document to current template.
2	10 April 2013	Baseline for revision history.

**Important Licensing Information:** These products may be covered by one or more Limited Use Label Licenses. By use of these products, you accept the terms and conditions of all applicable Limited Use Label Licenses.

©2017 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.