

GeneChip™ *Xenopus laevis* Genome 2.0 Array

Catalog Numbers 901214, 901215, and 901216

Doc. Part No. 702608 Pub. No. MAN0017689 Rev. A.0

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.

Product use

The Applied Biosystems™ GeneChip™ *Xenopus laevis* Genome 2.0 Array is a single GeneChip™ brand array comprised of over 32,400 probe sets representing over 29,900 *Xenopus laevis* transcripts. Sequences used in the design of the array were selected from the *Xenopus laevis* UniGene build 69 (July 12, 2006) and GenBank™ mRNAs (through September 12, 2006). The GeneChip™ *Xenopus laevis* Genome 2.0 Array was designed in close collaboration with the *Xenopus* research community as part of the GeneChip™ Consortia Program.

Visit our website for a complete list of supporting documentation including procedures regarding target preparation, target hybridization, fluidics station setup, probe array scan, and data analysis.

Instrumentation and software required

- GeneChip™ Scanner 3000 7G
- GeneChip™ Fluidics Station 450
- GeneChip™ Hybridization Oven 645
- GeneChip™ Command Console™ (GCC) software

Critical specifications

Item	Specifications
Feature size	11 µm
Probe pairs/sequence	14
Array format	64
Hybridization controls	<i>bioB</i> , <i>bioC</i> , <i>bioD</i> , and <i>cre</i>
Poly-A controls	<i>dap</i> , <i>lys</i> , <i>phe</i> , <i>thr</i> , and <i>trp</i>
Housekeeping/control genes	<i>actin</i> , <i>ef1a</i> , and <i>gapdh</i>
Hybridization volume	200 µL. The total fill volume of the cartridge is 250 µL.
Library files	<i>Xenopus laevis</i> 2.0

Accessory files

Fluidics scripts

The fluidics script used depends on the array type, labeling protocol, and reagents used for cartridge processing. Refer to the GeneChip Fluidics Station Scripts support page to determine which fluidics script is appropriate for your application. The fluidics scripts can be downloaded from our website.

Library files

Library files contain information about the probe array design characteristics, probe use and content, and scanning and analysis parameters. These files are unique for each probe array. Additional information can be located under the specific array product on our website.

Ordering information

Product	Description	Cat. No.
GeneChip™ <i>Xenopus laevis</i> Genome 2.0 Array	2 arrays	901214
	6 arrays	901215
	30 arrays	901216
Supporting products		
GeneChip™ 3' IVT PLUS Reagent Kit	10 reactions	902415
	30 reactions	902416
GeneChip™ Hybridization Control Kit	30 reactions	900454
	150 reactions	900457
GeneChip™ Control Oligo B2, 3 nM (included in GeneChip™ Hybridization Control Kit)	30 reactions	900301
GeneChip™ Hybridization, Wash, and Stain Kit ^[1]	30 reactions	900720

^[1] Each kit contains 1 Hybridization Module, 1 Stain Module, 3 bottles of Wash Buffer A, and 1 bottle of Wash Buffer B, sufficient for 30 reactions. Individual kit components may be ordered separately.

Storage, handling, and stability

This cartridge array consists of a square glass substrate mounted in a plastic cartridge. The glass contains an array of oligonucleotides that, when mounted, is on the inner glass surface. A chamber in the plastic housing directly under the glass acts as a reservoir where hybridization and washing occur.

Although the inner glass surface of the probe array is protected, any contamination or scratches on the outer surface of the glass can compromise the accuracy of the scan. Avoid touching the

surface of the glass with your fingers. Skin oils and other substances, such as lotions or ink, can fluoresce. If the surface of the glass is noticeably dirty, it can be carefully cleaned with a nonabrasive laboratory tissue.

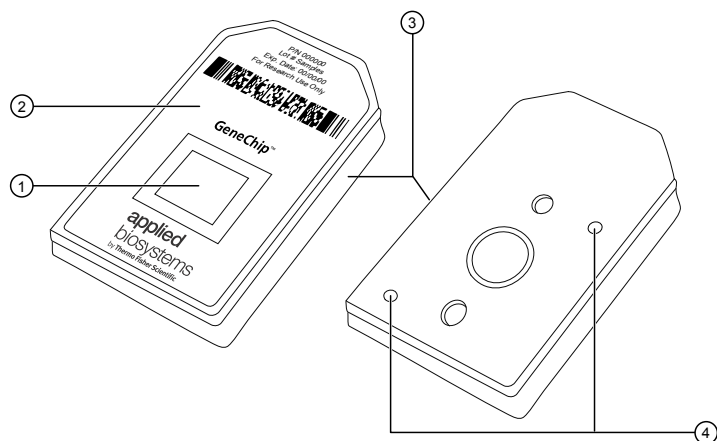


Figure 1 Cartridge array.

- ① Probes on a glass substrate
- ② Plastic cartridge
- ③ Notch
- ④ Septa

The cartridge array should be stored at 2–8°C. Refer to the expiration date on the package label. Do not use arrays or reagents after the expiration date.

Customer and technical support

Visit 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.

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. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



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Revision	Date	Description
A.0	09 July 2018	Initial release in Thermo Fisher Scientific document control system. Supersedes legacy Affymetrix publication number 702608. Updated to the current document template, with associated updates to trademarks, logos, licensing, and warranty.

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