

## Axiom™ Reagent Kit

### Intended Use

The Affymetrix Axiom™ Reagent Kit enables genotyping of SNPs and in/dels on Axiom™ Genome-Wide Array Plates and Axiom™ myDesign™ Array Plates. This kit is available in 96 reaction format. The kit includes the reagents and control DNA required to:

- Produce hybridization-ready targets for on Axiom™ Genome-Wide Array Plates and Axiom™ myDesign™ Array Plates.
- Process array plates on the Affymetrix GeneTitan™ Multichannel Instrument.

This product is for research purposes only and is not intended for use in the diagnosis of disease.

### Ordering Information

#### Reagent Kit

Product Name	Description	Part Number
Axiom™ Reagent Kit	1 kit of 96 reactions	901281
	2 kits of 96 reactions	901638
	8 kits of 96 reactions	901639

#### Supporting Products

Product Name	Description	Part Number
Axiom Genome-Wide CEU 1 96-Array Plate Kit	One 96-Array Plate <sup>1</sup>	901591
	Two 96-Array Plates <sup>1</sup>	901592
	Eight 96-Array Plates <sup>1</sup>	901596
Axiom Genome-Wide ASI 1 96 Array Plate kit	One 96-Array Plate <sup>1</sup>	901634
	Two 96-Array Plates <sup>1</sup>	901635
	Eight 96-Array Plates <sup>1</sup>	901636

1. One Hyb Tray, one Scan Tray and five Stain Trays with covers are included for use with each array plate. These consumables are required for processing Axiom array plates on the GeneTitan Multichannel instrument.

Affymetrix products can be purchased directly from Affymetrix in the United States, and many European and Asian countries. For all other territories, please view a list of our distribution partners, which can be located at: [www.affymetrix.com/site/contact/index.affx](http://www.affymetrix.com/site/contact/index.affx).

### Instructions for Use

For instructions on using this reagent kit and Axiom™ Genome-Wide Array Plates and Axiom™ myDesign™ Array Plates, refer to the following documentation:

- *Axiom™ Genotyping Assay User Manual* (P/N 702830)
- *Axiom™ gDNA Sample Prep Quick Reference Card* (P/N 702928)
- *Axiom™ Automated Target Prep Quick Reference Cards* (P/N 702831)
- *Axiom™ Manual Target Prep Protocol Quick Reference Card* (P/N 702797)
- *GeneTitan™ MC Protocol for Axiom™ Array Plate Processing Quick Reference Card* (P/N 702929)

### Axiom Reagent Kit Components

This reagent kit consists of the 4 modules.

#### Module 1 — store at -25 °C to -15 °C

- Axiom Denat Soln 10X
- Axiom Neutral Soln 10X
- Axiom Water
- Axiom Reference gDNA 103
- Axiom Amp Soln
- Axiom Amp Enzyme

#### Module 2 — Box 1 of 2 — store at -25 °C to -15 °C

- Axiom Frag Enzyme
- Axiom 10X Frag Buffer
- Axiom Precip Soln 2
- Axiom Hyb Buffer
- Axiom Hyb Soln 1

#### Module 2 — Box 2 of 2 — store at 2 °C to 8 °C

- Axiom Frag Diluent
- Axiom Frag Rxn Stop
- Axiom Precip Soln 1
- Axiom Resusp Buffer
- Axiom Hyb Soln 2

#### Module 3 — store at room temperature

- Axiom Wash Buffer A
- Axiom Wash Buffer B
- Axiom Water

#### Module 4 — Box 1 of 2 — store at -25 °C to -15 °C

- Axiom Ligase Buffer
- Axiom Ligase Enzyme
- Axiom Ligase Soln 1
- Axiom Probe Mix 1
- Axiom Stain Buffer
- Axiom Stabilize Soln

#### Module 4 — Box 2 of 2 — store at 2 °C to 8 °C

- Axiom Ligase Soln 2
- Axiom Probe Mix 2
- Axiom Wash A
- Axiom Stain 1-A
- Axiom Stain 1-B
- Axiom Stain 2-A
- Axiom Stain 2-B
- Axiom Stabilize Diluent
- Axiom Water
- Axiom Hold Buffer

## Precautions

1. AFFYMETRIX REAGENTS ARE FOR RESEARCH USE ONLY; NOT FOR DIAGNOSTIC PROCEDURES.
2. Avoid microbial contamination, which may cause erroneous results.
3. **WARNING: All biological specimens and materials with which they come into contact should be handled as if capable of transmitting infection and disposed of with proper precautions in accordance with federal, state, and local regulations. This includes adherence to the OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030) for blood-derived and other samples governed by this act. Never pipet by mouth. Avoid specimen contact with skin and mucous membranes.**
4. **CAUTION:** Exercise standard precautions when obtaining, handling, and disposing of potentially carcinogenic reagents.
5. Exercise care to avoid cross-contamination of samples during all steps of this procedure, as this may lead to erroneous results.
6. Use powder-free gloves whenever possible to minimize the introduction of powder particles into sample or array cartridges.

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