

Affymetrix® SNP 6.0 Core Reagent Kit

Intended use

The Affymetrix® SNP 6.0 Core Reagent Kit (Part number 901706) enables genotyping and DNA copy number analysis on the Genome-Wide Human SNP Array 6.0.

These products are for research purposes only and are not intended for use in the diagnosis of a disease.

Kit components

The kit contains the components listed below.

Affymetrix® SNP 6.0 Core Reagent Kit (100 reactions), P/N 901706

Kit components	Part number
SNP 6.0 Core Reagent Kit, 100 reactions	901706
Digest and Ligate Sub-kit	901673
Sty 1 Enzyme	901692
10X Sty Buffer	901693
Nsp 1 Enzyme	901694
10X Nsp1 Buffer	901695
100X BSA	901696
Low EDTA TE Buffer	901697
T4 DNA Ligase Enzyme	901699
10X Ligase Buffer	901698
Elution Buffer	901684
Hybridization Buffer Sub-kit	901677
Hyb Buffer Part 1	901685
Hyb Buffer Part 2	901686
Hyb Buffer Part 3	901687
Hyb Buffer Part 4	901688
Affymetrix® Genome-Wide Human SNP Nsp/Sty Assay Kit 6.0	901015
Adaptor, Nsp (50 µM)	900697
Adaptor, Sty (50 µM)	900698
PCR Primer, 002 (100 µM)	901016
Fragmentation Reagent	901010
10X Fragmentation Buffer	900695
DNA Labeling Reagent (30 nM)	900699
Terminal Deoxynucleotidyl Transferase Buffer	900696
Oligonucleotide Control Reagent 0100	900701
Reference Genomic DNA, 103 (50 ng/µl)	901012
Stain Sub-kit	901674
Stain Cocktail 1	901689
Stain Cocktail 2	901690
Array Holding Buffer	901691
Wash Sub-kit	901678
Wash Buffer A	901680
Wash Buffer B	901681

Instructions for use

Please refer to the *Affymetrix® Genome-Wide Human SNP Nsp/Sty 6.0 User Guide* (P/N 702504) or the *Affymetrix® Cytogenetics Copy Number Assay User Guide* (P/N 702607) for procedures on DNA target and oligonucleotide control

preparation, target hybridization, fluidics setup, array scanning, and data analysis instructions.

Ordering information

Product name	Description	Part number
Reagent Kit		
Affymetrix® SNP 6.0 Core Reagent Kit	100 reactions	901706
Supporting products		
Affymetrix® Genome-Wide Human SNP Array 6.0	5 arrays	901182
Affymetrix® Genome-Wide Human SNP Array 6.0	50 arrays	901153
Affymetrix® Genome-Wide Human SNP Array 6.0	100 arrays	901150
Reference Genomic DNA, 103	2 reactions	901012

Precautions

IMPORTANT: The Affymetrix® SNP 6.0 Core Reagent Kit contains active enzymes. The following precautions are recommended to ensure optimal activity:

- Store the Digest and Ligate Sub-kit as well as the Hybridization Buffer Sub-kit at -20°C (do not store at -80°C).
- Store the Stain Sub-kit at 4°C.
- Store the Wash Sub-kit at room temperature.
- Minimize repeated exposure to temperatures > 0°C for the temperature tentative elements.
- Use a bench top cooler when handling the reagent.

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 and other potentially infectious materials 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 introduction of powder Particles into sample or probe array cartridges.

Storage, handling, and stability

The reagents contained in the Affymetrix® SNP 6.0 Core Reagent Kit are shipped at different temperatures and should be stored at the recommended conditions.

The following should be stored at -20°C:

Digest and Ligate Sub-kit
Hybridization Buffer Sub-kit
Affymetrix® Genome-Wide Human SNP Nsp/Sty Assay Kit 6.0

The following should be stored at 4°C:
Stain Sub-kit

The following should be stored at room temperature:
Wash Sub-kit

Refer to the expiration date on the package label. Do not use reagent components after the expiration date.

IMPORTANT: Store the unopened kits in rooms appropriate to the workflow. The reagent subkits are separated into modules to support the recommended workflow and minimize the chance of contamination during use.

SAFETY INFORMATION

A Material Safety Data Sheet(s) (MSDS) is available at www.affymetrix.com.

If the product is a kit or is supplied with more than one material, please refer to the MSDS for each component for hazard information. The MSDS are also available at: www.affymetrix.com/support/technical/safetydatasheetsmain.affx

Caution:

The 5X Terminal Deoxynucleotidyl Transferase Buffer contains cacodylic acid. **Warning: Harmful [75-60-5]**
The Hybridization Buffer Part 1 contains Tetramethylammonium Chloride (TMAC). **Warning: Highly Toxic. [CAS# 75-57-0]**
The Stain Cocktail 1, Stain Cocktail 2 and Array Holding Buffer contain ≤ 0.1% Sodium Azide. **[CAS# 26628-22-8]**

Contact information

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