

Affymetrix® SNP 6.0 Digest, Ligate and HWS Reagents

Intended use

The Affymetrix® SNP 6.0 Digest, Ligate and HWS Reagents (Part Number: 901756) with the original Affymetrix® Genome-Wide Human SNP Nsp/Sty Assay Kit 5.0/6.0 (Part Number: 901015) 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 Digest, Ligate and HWS Reagent, P/N: 901756

Kit components	Part number
SNP 6.0 Digest, Ligate and HWS Reagents	901756
Digest and Ligate Subkit	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 Subkit	901677
Hyb Buffer Part 1	901685
Hyb Buffer Part 2	901686
Hyb Buffer Part 3	901687
Hyb Buffer Part 4	901688
Stain Subkit	901674
Stain Cocktail 1	901689
Stain Cocktail 2	901690
Array Holding Buffer	901691
Wash Subkit	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 Kits		
Affymetrix® SNP 6.0 Digest, Ligate and HWS Reagents	100 rxns	901756
Affymetrix® Genome-Wide Human SNP Nsp/Sty Assay Kit 5.0/6.0	100 rxns	901015
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 rxns	901012

Precautions

IMPORTANT: The Affymetrix® SNP 6.0 Digest, Ligate and HWS Reagents contain active enzymes. The following precautions are recommended to ensure optimal activity:

- Store the Digest and Ligate Subkit as well as the Hybridization Buffer Subkit at -20°C (do not store at -80°C).
- Store the Stain Subkit at 4°C.
- Store the Wash Subkit 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 Affymetrix® SNP 6.0 Digest, Ligate and HWS Reagents are shipped at different temperatures and should be stored at the recommended conditions.

The following should be stored at -20°C:

Digest and Ligate Subkit
Hybridization Buffer Subkit

The following should be stored at 4°C:
Stain Subkit

The following should be stored at room temperature:
Wash Subkit

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 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]**

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