



Wash Buffer Additive

Agilent Product Number for Ordering: 5190-0401

Product is sufficient for approximately 120 slides, depending on format and use.

Store at room temperature upon receipt.

For Use With:

Agilent Oligo Microarrays

For research use only.

Not for use in Diagnostic Procedures.

Please refer to Agilent Technologies' respective Oligonucleotide Microarray Hybridization Protocol for use and guidance. Copies are available in each Agilent Oligo Microarray kit as well as on the Agilent Web site at www.agilent.com/chem/dnamanuals-protocols.

Ordering Information:

A complete listing of sales offices is available on the Agilent Web site: www.agilent.com/chem/contactus, where you can also buy online or send Agilent an e-mail.

Technical Support:

In the United States, call (800) 227-9770.

For international inquiries, your local Agilent Customer Service contact telephone number can be located by visiting the Agilent Web site: www.agilent.com/chem/dnasupport.

MSDS information and certificates of analysis are available on the Agilent Web site at: www.agilent.com/chem/msds.

Description:

The **Wash Buffer Additive** was developed to supply a validated automation solution for hybridization and washing of 60-mer oligo microarrays for array-based comparative genome hybridization (aCGH) analysis. The Wash Buffer Additive serves a dual purpose for the Tecan HS Pro instrument. The Additive provides increased uniformity when drying under high-pressure nitrogen when it is spiked into the Oligo CGH Wash Buffer 2 (5188-5222) at 0.01%. The Additive will also be spiked into the Oligo CGH Wash Buffer 2 (5188-5222) at 0.1% to be used for cleaning and conditioning the instrument. This solution will be run with a standard rinse cycle and cleans the instrument of contaminants to lower backgrounds, increasing background uniformity. This reagent is for use with the Tecan HS Pro instruments when used with Agilent 1X and 2X array formats.

Preparation and Use:

In the standard hybridization protocol, the Wash 2 additive should be spiked into the Oligo CGH Wash Buffer 2 (5188-5222) at the ratio of 100 μ l per 1 liter of wash buffer. Refer to the Tecan HS Pro manual for the necessary volume.

For a cleaning and conditioning solution, the Wash 2 additive should be spiked into the Oligo CGH Wash Buffer 2 (5188-5222) at the ratio of 1 ml per 1 liter of wash buffer. The solution should be used at regular intervals of approximately every 2 weeks to coincide with the replacement of the hybridization chamber O-rings. Run a standard rinse procedure using the cleaning and conditioning solution instead of water. Follow this rinse with another standard rinse using only water. Store at room temperature for up to 12 months.

Consult the Agilent Array-Based CGH for Genomic DNA Analysis with Tecan HS Pro Hybridization Station Protocol, available on the Microarray data disk or at www.agilent.com/chem/dnamanuals-protocols, to ensure that all necessary reagents and materials are ready prior to running experiments.

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