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June 15, 2009

Subject: Critical Fluidics Station Maintenance for the Cytogenetics Research Solution

Dear Valued Customer,

This letter is to inform you of two critical maintenance protocols for the GeneChip Fluidics Stations which must be performed prior to processing the Cytogenetics Whole-Genome 2.7M Arrays. These two procedures must be conducted regularly to ensure the highest quality experimental data.

Fluidics Station Bleaching

The standard bleaching protocol must be used to bleach fluidics stations before use in processing any Cytogenetics Whole-Genome 2.7M Arrays. Thereafter, fluidics stations must be bleached on a weekly basis.

This bleaching protocol is located on page 38 of the of the Affymetrix GeneChip Fluidics Station 450/250 User's Guide (P/N 08-0092, Rev. G, April 2006) and uses commonly purchased sodium hypochlorite bleach. A bleach solution is run through the system followed by a rinse cycle with deionized (DI) water. The protocol takes approximately one hour and forty minutes to complete.

Fluidics Station Peristaltic Tubing Replacement

Peristaltic tubing must be changed on fluidics stations before use in processing any Cytogenetics Whole-Genome 2.7M Arrays. Thereafter, tubing must be changed monthly.

Instructions for replacing the peristaltic tubing are located on page 46 of the Affymetrix GeneChip Fluidics Station 450/250 User's Guide (P/N 08-0092, Rev. G, April 2006). Please contact your local Account Manager to purchase replacement tubing (Part Number 400110 – Tubing, Silicone Peristaltic, 8.5).

The Affymetrix Cytogenetics Research Solution delivers the smartest design for fast and reliable detection of chromosome aberrations. Following these maintenance procedures will allow you to have confidence in your studies and allow for the highest assay performance. If you have any questions, please do not hesitate to contact your local Account Manager.

Sincerely yours,

The Affymetrix Cytogenetics Team

For research use only. Not for use in diagnostic procedures.
