Frequently Asked Questions

GeneChip® Gene ST Arrays

1. Which protocol should I use to prepare my sample for hybridization to GeneChip® Gene 1.0 ST Array and GeneChip® Gene 2.0 ST Array?
   - The Ambion® Whole-Transcript (WT) Expression kit, used in conjunction with the Affymetrix® GeneChip WT Terminal Labeling and Controls Reagent kit, is recommended for preparing samples for use with the Gene 1.0 ST Array and the Gene 2.0 ST Array.

2. How much starting material is required for the Gene 1.0 ST and Gene 2.0 ST Arrays?
   - Using the Ambion WT Expression kit, a minimum of 50 ng of starting total RNA is required. No ribosomal RNA reduction of the starting material is required.

3. Can I analyze the results from my Gene 1.0 ST and Gene 2.0 ST Arrays using GCOS or AGCC?
   - GeneChip® Operating Software (GCOS) or GeneChip® Command Console® Software (AGCC) can be used to process Gene 1.0 ST Arrays through fluidics and scanning. Gene 2.0 ST Arrays utilize an updated installer package that is not compatible with GCOS. Gene 2.0 ST Arrays require AGCC for fluidics and scanning. Affymetrix® Expression Console™ Software is required to perform QC analysis of Gene 1.0 ST and Gene 2.0 ST Array data. Expression Console Software can be downloaded free from the Affymetrix website.

4. Which fluidics protocol should I use when processing a Gene 1.0 ST Array?
   - FS450_00007 should be used when processing Gene 1.0 ST Array. Up-to-date fluidics scripts can be obtained from the Affymetrix website.

5. Which fluidics protocol should I use when processing a Gene 2.0 ST Array?
   - FS450_00002 should be used when processing Gene 2.0 ST Array. Up-to-date fluidics scripts can be obtained from the Affymetrix website.

6. What format is the Gene 1.0 ST Array?
   - The Gene 1.0 ST Array is a 169 format array.

7. What format is the Gene 2.0 ST Array?
   - The Gene 2.0 ST Array is a 100 format array.

8. How do I install library files for Gene 1.0 ST Array?
   - Installing the library files for the Gene 1.0 ST Array for AGCC requires the use of the Affymetrix® Library File Importer which converts GCOS library files into AGCC format, then imports the files to the Command Console library file folder. The Library File Importer can convert files from the local GCOS installation, from a GCOS server on a remote Windows Server, or from a GCOS library file package on a CD or disk drive.

9. How do I install library files for my Gene 2.0 ST Array?
   - To install library files for the Gene 2.0 ST Array for Command Console, simply run the executable library file installer downloaded from the GeneChip® Gene 2.0 ST Array product page.

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