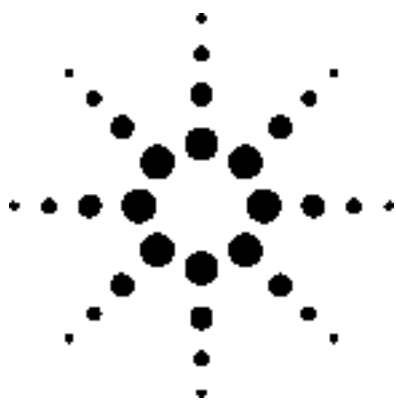




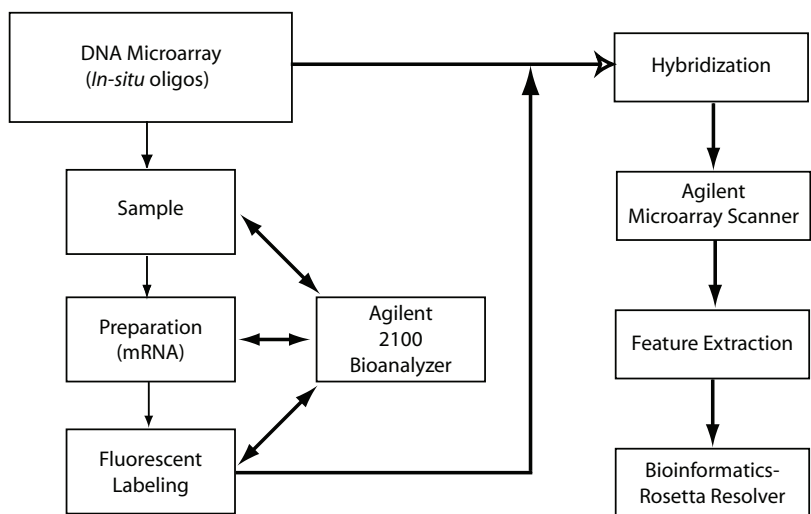
# Agilent G2565BA Microarray Scanner

## Bar code and Glass Specifications

### Data Sheet

## General Description

Agilent's system approach to gene expression permits the user to take advantage of an integrated solution (see flow diagram). The solution consists of a convenient link between Agilent's microarray, Agilent's scanner, and Agilent's Feature Extraction software. The end result is an automated, hands-off precision microarray scan followed by automated feature extraction. The Agilent G2565BA microarray scanner is designed to read Agilent Microarrays as well as most common glass slides. This note lists the specifications of the glass on which the active microarray is printed, and the region in which the microarray may be scanned.



## Specifications

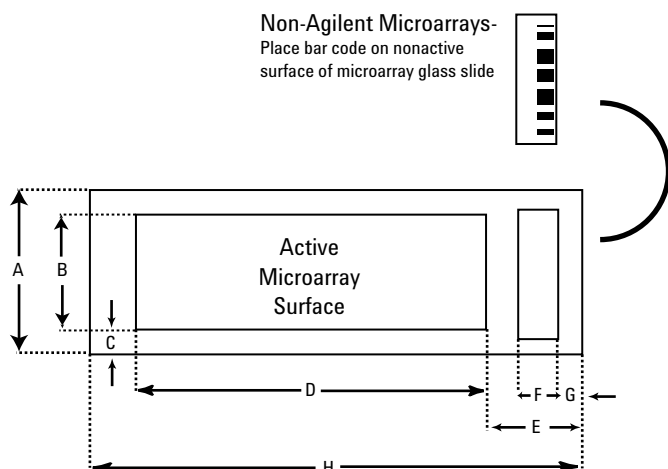
The Agilent scanner uses unique slide holders to move the microarray in and out of the scanner carousel. These slide holders are designed to accept a 1" x 3" nominal piece of glass. While the scanner will meet these specifications with a number of glass types, glass properties can impact performance of our system. Agilent can only guarantee these specifications for measurements employing slides with the following specifications of the glass:

- 1-inch wide (25.4 mm, -0.45 mm, or +0.70 mm)
- 3-inch long (76.2 mm, -1.4 mm, or +0.25 mm)
- 1 mm thick (1 mm -0.1 mm, or +0.2 mm)
- No mirrored slides allowed
- Glass should be of high quality with low intrinsic fluorescence.

Bar code specifications are as follows:

- Permitted bar codes: Code 39, Code 93, Code 128, and CODABAR

If customer chooses 128C for 'home-printed' bar code, the bar code cannot start with a 2 and be 12 digits in length.



Dimensions for non-Agilent glass slides and array placement for image analysis on Agilent's microarray scanner

Glass thickness (1 mm glass  $\pm 0.025$  mm)

A = 25.40 mm (+0.15 mm or -0.75 mm)  
 B = 21.00 mm  
 C = 2.00 mm  
 D = 60.00 mm  
 E = 12.00 mm  
 F = 6.00 mm  
 G = 2.00 mm ( $\pm 1.0$  mm)  
 H = 76.2 mm ( $\pm 0.1$  mm)

Agilent Microarray Dimensions

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