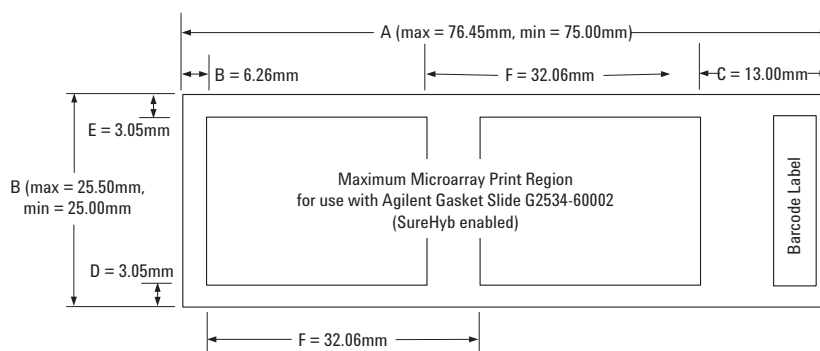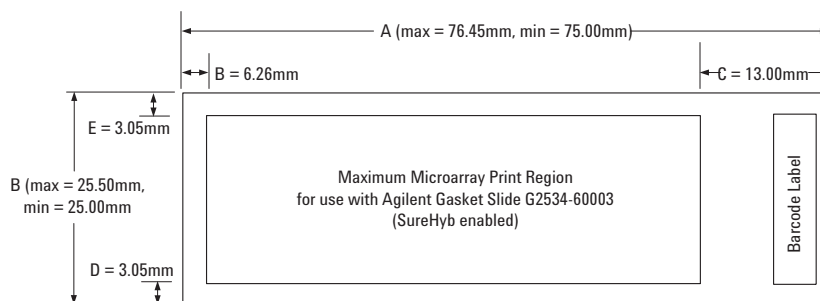# Agilent Microarray Hybridization Chambers
(SureHyb enabled)

Use with non-Agilent microarrays.
Print regions compatible with SureHyb enabled Gasket Slides.

A (max = 76.45mm, min = 75.00mm)
B = 6.26mm   C = 13.00mm
E = 3.05mm
B (max = 25.50mm, min = 25.00mm)

Maximum Microarray Print Region
for use with Agilent Gasket Slide G2534-60003
(SureHyb enabled)

Barcode Label

D = 3.05mm

A (max = 76.45mm, min = 75.00mm)
B = 6.26mm   F = 32.06mm   C = 13.00mm
E = 3.05mm
B (max = 25.50mm, min = 25.00mm)

Maximum Microarray Print Region
for use with Agilent Gasket Slide G2534-60002
(SureHyb enabled)

Barcode Label

D = 3.05mm

F = 32.06mm

Glass slide thickness:
The thickness of the glass slide must be (1.00 +/− 0.05mm thick). The hybridization reaction will be more repeatable if the glass thickness tolerance is smaller, for example (1.00 +/− 0.025mm thick).

Microarray Footprint:
The outside dimensions of the glass slides must fall within the overall length (A) and width (B) tolerances in order to be used with the SureHyb enabled hybridization chambers and gasket slides. Calculate the "printable" microarray surface area by using the following formulas:
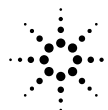
Printable microarray area (in 3″ direction)
1 microarray/slide format = Minimum slide length with tolerances (smallest expected length A) − (B+C)
2 microarrays/slide format = Minimum slide length with tolerances (smallest A) − (B+C+F)

Printable microarray area (in 1″ direction)
1 microarray/slide format = Minimum slide width with tolerances (smallest expected B) − (D+E)
2 microarray/slide format = Minimum slide width with tolerances (smallest B) − (D+E)

Note: The smaller the glass dimension, the more the microarray slide can shift within the hybridization chamber pocket, thus resulting in a smaller usable microarray print area surface.

Guidance for use with:
Non-Agilent microarrays spotted on 1″ x 3″ (25mm x 75mm) glass slides

Agilent Microarray Hybridization Chambers have been engineered to work with Agilent 60-mer Oligo Microarrays in various layout configurations. The diagrams on the right outline print regions that will work with Agilent's SureHyb enabled Microarray Hybridization Chambers and Accessories.

Please refer to Agilent's Microarray Hybridization Chamber User Guide (G2534-90001) for use and guidance in using these chambers. Copies are available on the Agilent website at, www.agilent.com/chem/dna, click on the "library" tab and enter the above part number.

Ordering Information:
A complete listing of sales offices is available on the Agilent website: www.agilent.com/chem/contactus. Buy online at: www.agilent.com/chem/store.

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 website: www.agilent.com/chem/dnasupport.

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