Use of Humid Chamber, H6644, for Microarrays

Per Technical Bulletin for S9936, “Slowly lower the slide, array side down, until surface tension allows the cover slip to be raised with the slide, taking care not to introduce bubbles.”

Place slides with coverslips face up into chamber.

Place clear lid over chamber containing slides.

Place closed chamber containing slides to float in water bath for hybridization. (For this application, no water is added to the humid chamber. Adequate humidity is achieved by floating in water bath.)

Per Technical Bulletin for S9936, “Incubate the slides from 6 hours to overnight at 50 °C in a humidity-controlled environment. This can be achieved by placing slides in an empty humid chamber placed in a shallow hybridization water bath. Alternatively, hybridization may be carried out in one of several commercially available hybridization chambers immersed in a temperature controlled water bath.”