The reliability of microarray data is affected by a large number of factors. Foremost is the quality of the substrate and the reagents used to manufacture and process the microarrays.

Further improvement in reproducibility and sensitivity may be achieved through automation. Researchers have long sought the ability to perform multiple array hybridizations under tightly controlled and reproducible conditions. Array experiments typically call for processing at least four arrays in parallel, which, when carried out in single-slide hybridization chambers and glass containers, requires significant operator intervention and introduces a high level of experimental error that decreases the sensitivity of the assays.

Corning welcomes the availability of reliable automated systems and seeks to facilitate their use by providing protocols for the use of our market-leading Pronto! hybridization reagents in these automated environments.
For further information about the Pronto! reagents, please visit [www.corning.com/lifesciences](http://www.corning.com/lifesciences). Contact Dr. Camilo Canel (207.985.5353, CanelC@corning.com), or, in Europe, Dr. Laurent Picard (31.20.655.7942, PicardL@corning.com), to request a program file (.hpr) to run this protocol on the Tecan hybridization stations.

For information about the Tecan HS 4800 System, visit [www.tecan.com](http://www.tecan.com).