

Quantigene 2.0 Plex Reagent System Frequently Asked Questions

Are the Quantigene Multiplex Panels functionally tested?	Yes, each panel is functionally tested with an appropriate RNA sample prior to release.
Can custom panels be made?	Yes, we routinely designed, synthesized and functionally test custom panels. Any subset of targets in a currently available panel can also be ordered as a custom set. In order to search for currently available targets and panels, please go to http://www.panomics.com/index.php?id=qg2plexsc .
Can other lysis buffers be used to lyse samples for Quantigene?	Unfortunately, the Quantigene Lysis Buffer needs to be used to lyse the cells. The reason is that the Lysis Buffer also provides the appropriate buffer conditions to perform the Quantigene hybridization.
Do the panels include housekeepers?	Yes, the panels include housekeepers of your choice, which allows for easy normalization of each sample.
How long does it take for re-orders of panels?	Panel re-orders are typically shipped in 1-2 weeks. After pooling, the reordered panel will be functionally tested with an appropriate RNA prior to shipping.
How long does it take to receive a custom panel?	Creation of a custom panel can involve design of probe sets, synthesis of these probe sets and functional QC of the panel using an appropriate RNA. Custom panels typically ship in 4 weeks.
How many targets can I include in a panel?	A panel normally includes anywhere from 3-30 targets.
What are the compatible sample types for Quantigene 2.0 Plex?	The following sample types can be used: Cultured cells, whole blood, PAXgene blood or dried blood spots, fresh/frozen tissues, FFPE samples, and purified RNA.
What do I need to get started with the Quantigene 2.0 Plex assay?	You need essentially three components to get started with the assay. 1) Assay Kit (available in 3 sizes, this contains the plates and reagents needed to run the kit) 2) Panel (which includes the probe set and beads to run on the instrument) 3) Sample Processing Kit (available for cultured cells, blood, ffpe and tissue samples) Additional information for each component is available on the Quantigene product page: http://www.panomics.com/product.php?product_id=6 .
What housekeeper(s) should I include with my panel?	You can select any appropriate housekeeper whose expression levels are predicted to remain the same regardless of the treatment of the sample. Our most common human housekeepers include the following: ACTB, B2M, G6PD, GAPDH, GUSB, HMBS, HPRT1, MTATP6, PPIA, PPIB, POLR2A, RPL13A, RPL19, RPL32, RPS20, RPS29, TBP, TFRC, UBC.

What is the sensitivity of the assay?	The Quantigene 2.0 Plex assay has a Limit of Detection of >2000 transcripts per assay well, and a Limit of Quantitation of >5000 transcripts per assay well.
What is the shelf life of the Quantigene Multiplex Kits?	The kits have a shelf life of 12 months from the date of receipt, provided they are stored properly.