



## Summary of the MAQC October-6&20-2005 Teleconference

### The MAQC Project: Calibrated RNA Samples, Reference Datasets, and QC Metrics/Thresholds for Microarray Quality Control

Teleconference Date: October 6 & 20, 2005 (9am PDT/11am CDT/12pm EDT/16:00 GMT)  
Summary Date: November 2, 2005  
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MAQC URL: <http://edkb.fda.gov/MAQC/>

1. **Data Submission:** All test sites of the ten platforms (ABI, AFX, AGL, EPP, GEH, ILM, NCI, QGN, TAQ, and GEX) have submitted data to FDA/NCTR.
2. **Data Distribution:** A confidentiality e-mail was sent to all test sites and data analysis sites on October 24 to confirm their agreement to the conditions for accessing and analyzing the MAQC datasets. For those sites that replied to the “confidentiality” e-mail, instructions were provided for downloading the MAQC datasets. On October 25, datasets generated from five major commercial microarray platforms (ABI, AFX, AGL, GEH, and ILM) were distributed. Datasets from EPP, NCI, TAQ, QGN, and GEX platforms are scheduled to be distributed on Friday, November 4, 2005.
3. **Data Access:** Leming Shi asked the MAQC group to decide how to handle the requests from several additional organizations for accessing the datasets. Because there are ~40 organizations that have been given full access to the datasets, it was decided that access to the datasets should be limited to the ~40 test/analysis sites.
4. **Probe-Target Mapping:** During this period, several teleconferences were held between the Sequence Mapping group and platform providers in order to reach consensus on the criteria for probe-target mapping and cross-platform comparison. Damir Herman and Rick Jensen have distributed their results to manufacturers and data analysis sites.
5. **DNA Contamination:** DNA contamination was found in MAQC samples A, C, and D, and sample A was identified as the source of contamination. The potential impact on the quality of data from microarrays and alternative technology platforms was discussed and considered to be minimal.
6. **December 1-2, 2005 Meeting:** The MAQC meeting notice has been published in the *Federal Register* (<http://www.fda.gov/OHRMS/DOCKETS/98fr/05-21152.pdf>).
7. **MAQC Sample B (Ambion Human Brain Reference RNA):** Ambion has recently launched this reference RNA product (available in three packages: 50 ug, 200 ug, and 2.5 mg): <http://www.ambion.com/catalog/CatNum.php?6050>.

#### The next MAQC Teleconference:

Thursday, November 3, 2005 (9 am PST / 11 am CST / 12 pm EST / 17:00 GMT)  
USA Toll Free Number: **888-566-5020**  
International caller: +1-210-795-9594  
PASSCODE: **79451**