

Progesterone GCMS Exercise July 2008 at Distribution 342

This is a repeat of previous exercises, where GCMS targeted pools were re-distributed. This exercise employed the materials shown in Table 1. The summary plots show regression and difference plots for all laboratories and individual method means. In each case the 25th, 50th, and 75th centiles are plotted.

Sample	342A	342B	342C
POOL	P346	P349	P351
ALTM	8.5	17.3	27.9
GCMS	6.6	15.2	25.1

The plots are self-explanatory and indicate where the problems lie. Participants should press manufacturers for methods with improved trueness; manufacturers should use the reference measurement system that has been in place for many years to improve their assays and help achieve true comparability of results. It is clear that once again, the Roche Elecsys and E170 methods are the most accurately calibrated.

Jonathan Middle, October 2008







