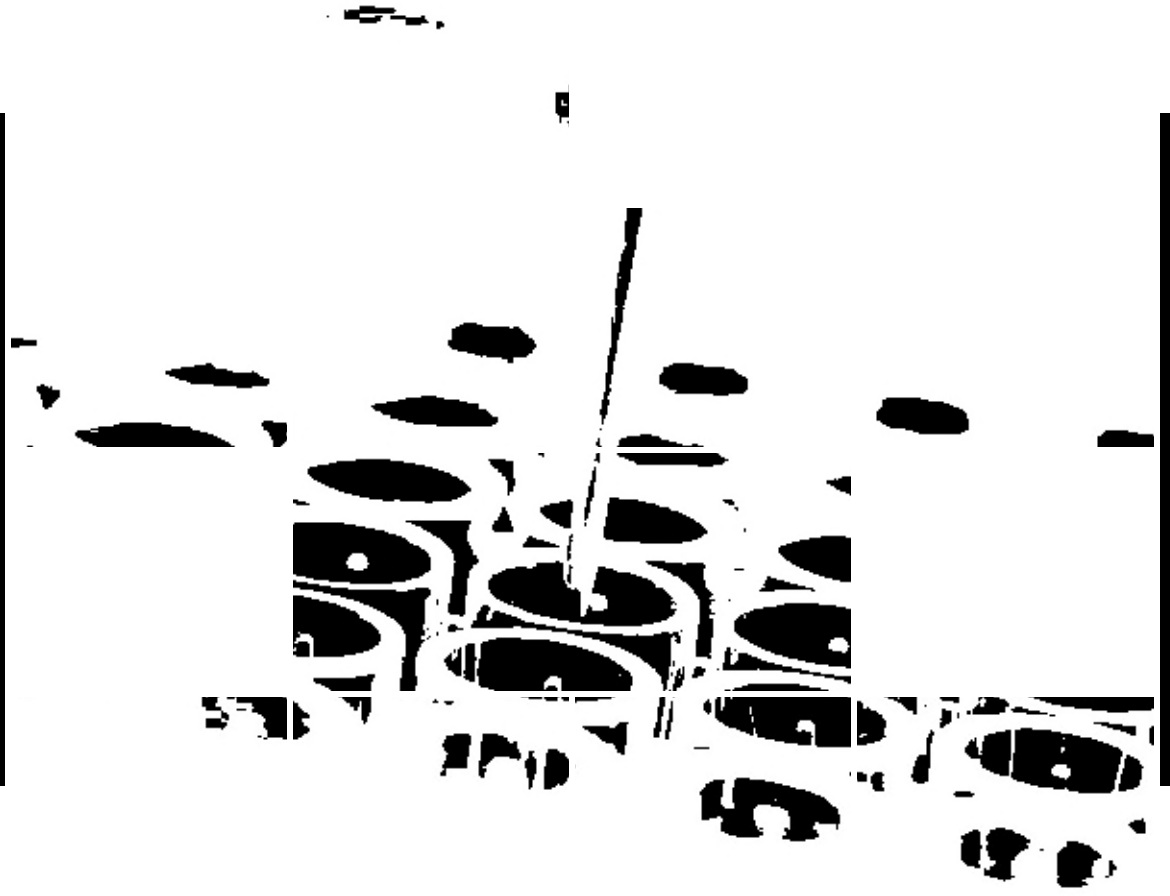




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# 2013 Proficiency Testing Manual

### **Outlier Detection Technique**

Outlier exclusion is necessary because a large series of results frequently will include some aberrant values. These may arise from instrument malfunction, technical errors, specimen mix-ups, misplaced decimals, incorrect units of measure, or data entry errors. If any results are excluded, the outlier process is repeated using the remaining values. The summary statistics that appear on your reports do not reflect results that were considered to be outliers during either outlier pass.