

# **A Holistic Approach for Assay Optimization**


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# Key Phases in HTS Assay Optimization

Phase 1: Biology

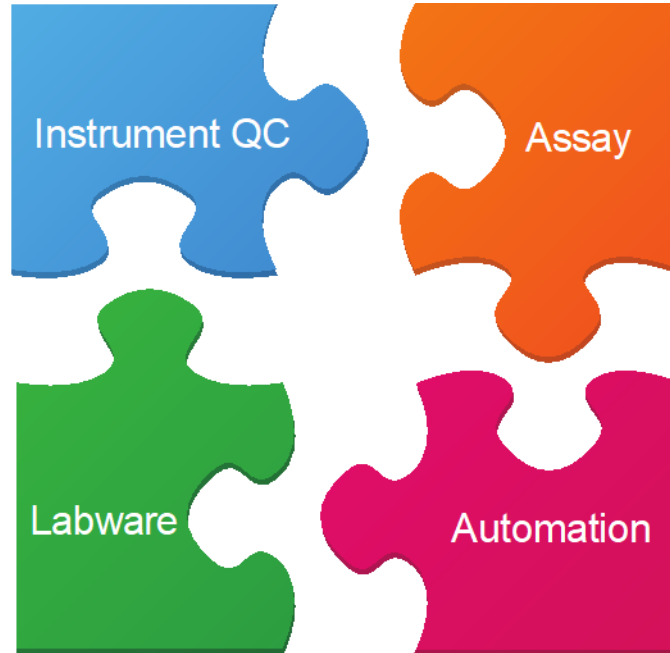


*Method*  
  
*Transfer*

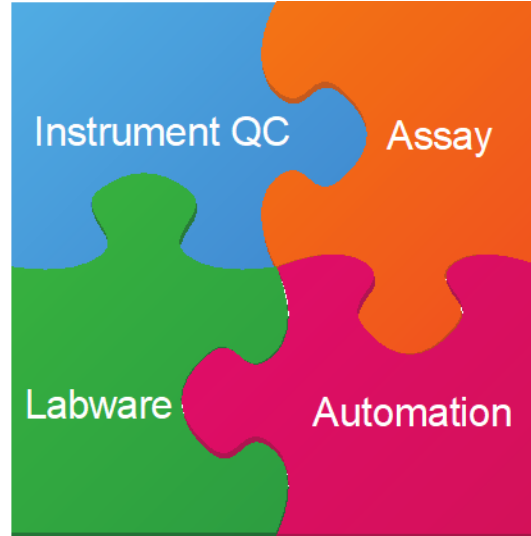
Phase 2: Automation



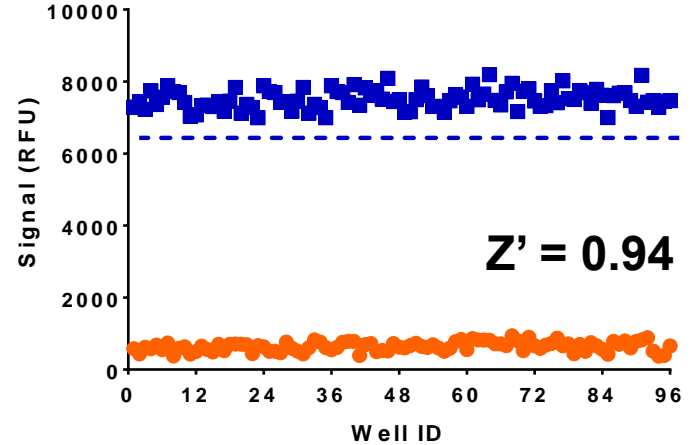
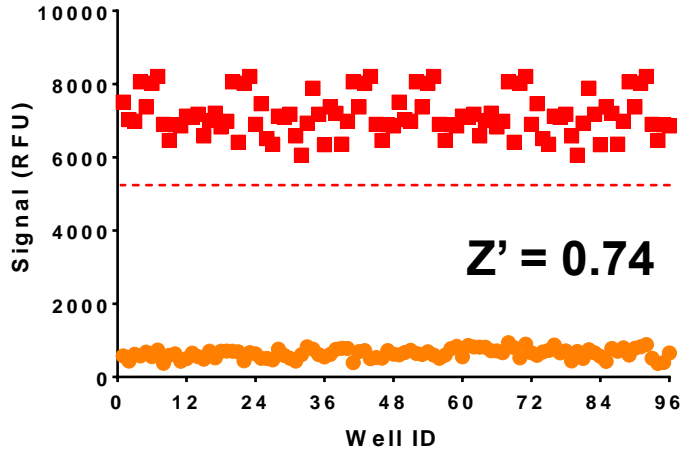
# The Problem



# The Solution



# The Result



Good Assay

Better Assay

# Value Proposition

**Minimize  
overall  
variability**

**Reduce error  
rates**

**Improve data  
resolution**

**Speed  
method  
transfer**

# Q&A

# Thank You

Would you like more information?

1. N. Hentz and E. Avis. Improving Assay Performance Using a Process Optimization Approach; SLAS2017 poster.
2. N. Hentz and T. Knaide. Effect of Liquid-Handling Accuracy on Assay Performance; *J. Lab. Automation*, 2014, 19(2) 153–162.
3. <http://www.artel-usa.com/resource-library/>