Holistic Approach for Analytical Method Transfer

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Key Phases in Assay Automation

Phase 1: Biology



Phase 2: Automation





Method Transfers Are Critical



Many reasons for failure

Poor documentation Insufficient communication Improper training Poor equipment qualification Weak method development/validation Poor acceptance criteria/specifications



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*Artel MVS can address these issues



Parameters that Effect Assay Variability





The Problem





The Solution



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The Result





How is This Accomplished?





The Result



Log Inhibitor (nM)



Value Proposition





QQLA



Thank You

Would you like more information?

- 1. N. Hentz and E. Avis. Improving Assay Performance Using a Process Optimization Approach; SLAS2017 poster.
- 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/

