Container Closure Integrity (CCI)
• Helium Leak Detection
• Frequency Modulation Spectroscopy
• Vacuum Decay
• Dye Ingress
• Microbial Ingress
• Residual Seal Force

Compendial
• USP <381> & EP 3.2.9 Combined Protocol, Physicochemical & Functionality Tests
• USP <87> Biological Reactivity Tests, In Vitro
• USP <88> Biological Reactivity Tests, In Vivo
• USP <660> Containers, Glass
• USP <661> Containers, Plastic
• USP <671> Containers, Performance Testing
• USP <788> Particulate Matter in Injections
• EP 3.2.1 Glass Containers for Pharmaceutical Use
• EP 3.2.9 Rubber Closures for Containers for Aqueous Parenteral Preparations, for Powder and for Freeze-Dried Powders
• EP 3.2.1 Glass Containers for Pharmaceutical Use
• JP 7.01 Test for Glass Containers for Injections
• JP 7.02 Test Methods for Plastic Containers
• JP 7.03 Test for Rubber Closure for Aqueous Infusions

Functionality
• EP 3.2.9 Functional Test Series, Penetrability, Self-Sealing, Fragmentation
• Coring Studies

Process Validation/Qualification
• Karl Fisher Moisture
• Silicone Analysis
• Container Closure Integrity (CCI)
• Physical and Functional Analysis

Extractables and Leachables
• Extraction Studies
• E_L™ (Extractables to Leachables) Risk Assessment
• Development, Validation and Testing of Extractable QC Methods
• Leachables Method Development and Validation in Drug Product
• Leachables Testing in Drug Product Over Shelf Life
• Simulation Studies
• Migration Studies – labels, inks, adhesives
• Investigation of Unknowns
• Toxicological Evaluation Support
• Protocol Design and Generation
• Stability Storage (ICH conditions, programmable chambers for client specific requirements)

Problem Resolution
• Foreign Particulate Matter and Particle Identification
• Glass Delamination
• Tungsten Analysis
• Defect and Dimensional Analysis
• Material Characterization
• Silicone Oil Analysis
• Particle Counting
• Cleaning Validation, Method Development and Validation, Residual Limits