



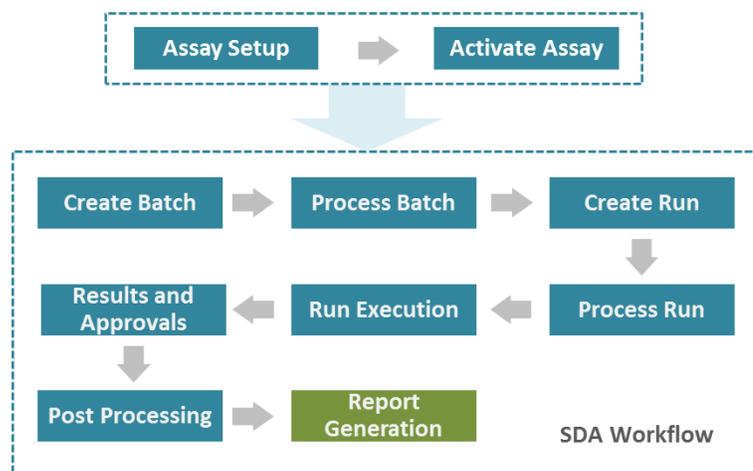
Case Study

Serial Dilution Assay Workflow

Client Requirements

Client is a leading CRO providing clinical research services to life sciences, pharmaceutical and biotechnology organizations. The client sought to develop an application to manage the workflow of various generic serial dilution assays for its vaccines and biologics lab. Given its extensive expertise in healthcare interoperability, integration and healthcare workflows, CitiusTech was chosen to develop the solution.

Solution Schematic



CitiusTech Solution:

- Designed a flexible and a configurable system to implement a serial dilution assay workflow for clinical trials, integrated it with its existing Lab Information Management System (LIMS)
- Developed set-up screens that included spreadsheet-like features to define formulas and derive output/validation
- Provided utility to copy the report set-up of one assay format to another, intra-database and inter-database, to help users save time and efforts when setting up reports

Value Delivered

- Implemented a serial dilution assay workflow for clinical trials effectively and quickly
- Developed flexible reporting module for on-going and future business needs
- Implemented arithmetic engine to support all the arithmetic operations/functions provided by Microsoft Spreadsheet

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About CitiusTech

CitiusTech is a provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,500 professionals worldwide and serving over 75 healthcare organizations globally. CitiusTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiusTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.