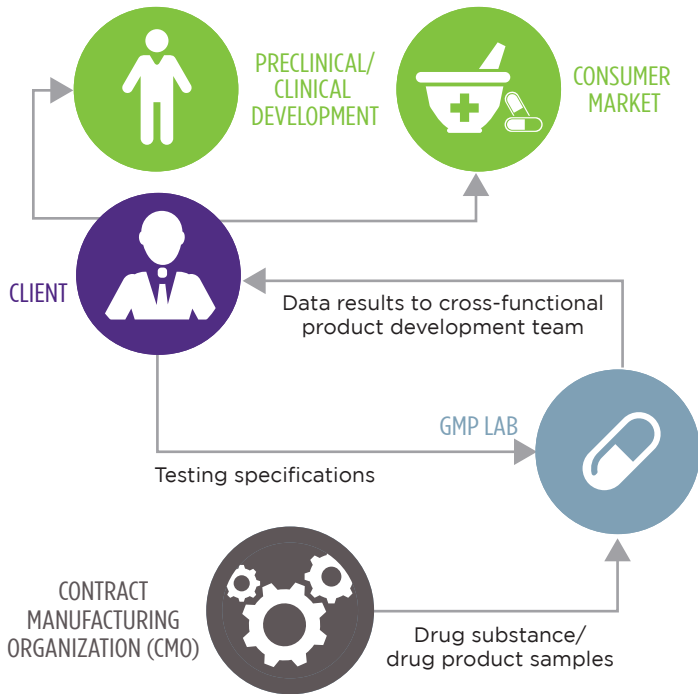




Measuring the quality and quantity of the drug and its ingredients to support chemistry, manufacturing and controls (CMC) pharmaceutical development



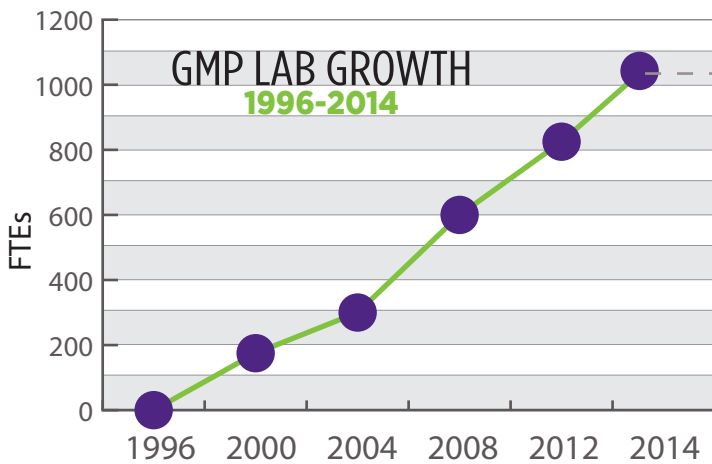
GMP LAB SERVICES

METHOD DEVELOPMENT AND VALIDATION

- + Development and validation of test methods for drug substances (i.e., the active ingredient) and drug products (i.e., the formulated product in its dosage form) throughout the drug development and commercialization process

STABILITY, RELEASE AND QUALITY CONTROL TESTING

- + Testing to release product for use in humans (clinical trials/consumer market)
- + Storage under controlled environmental conditions and testing of key drug parameters to establish expiration dating
- + Identification and measurement of drug impurities to ensure patient/consumer safety
- + Manufacturing process control testing to confirm product meets specifications



UNIQUE TO PPD LABORATORIES

- + Global reach, industry-leading capacity and proven ability to successfully grow organically
- + Fully integrated laboratory services for all phases of drug development
- + Technical expertise in both small molecules and biologics analysis
- + Industry leader in inhalation product testing
- + Unparalleled regulatory history
- + Depth and breadth of service offerings
- + Continued investment in state-of-the-art technology

THE FACTS

1st CRO laboratory to offer **client site staffing solutions**

#1 laboratory for inhaled drug analysis

5S deployment to all sites globally

NEW cell-based analysis laboratory in Athlone, Ireland, opening in 2015

>1,000 FTEs in 2014

