



# Analytical Research and Development



As a trusted R&D partner, RSSL can provide you with a complete range of analytical services to support you in overcoming your small molecule and biopharmaceutical drug development challenges. Working with us can provide you with the appropriate body of data needed to meet regulatory requirements with regard to the identity, purity, strength, stability and quality of your Active Pharmaceutical Ingredient (API) and Drug Product (DP).

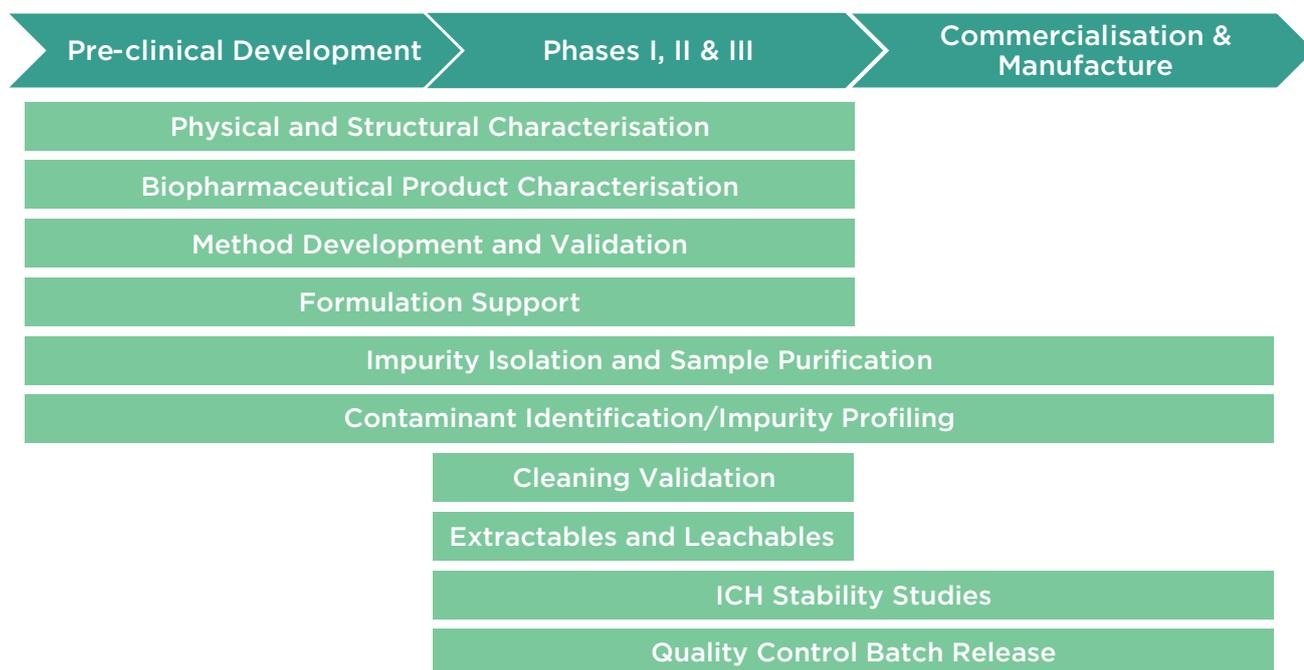
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From pre-clinical development through to finished product we can support with:



## Why choose RSSL for your research and development?

- Chemical, physical, biochemical and microbiological expertise – providing the complete analytical solution for efficient testing
- Over 200 scientists based on one site
- Expertise in all areas of drug development and dosage forms
- Modern analytical laboratories with regular investment in the latest technologies
- MHRA and FDA inspected

## RSSL in action

### Contaminant in veterinary antibiotic

A common issue in pharmaceutical analysis is the appearance of extraneous peaks in HPLC-UV chromatograms. In a recent case, a customer detected an unknown peak in the chromatogram of a veterinary antibiotic API. The first stage was to replicate the customer method in-house and match the chromatographic profiles of the problem samples. However, the extraneous peak was not observed in-house. Samples were prepared by the customer and shipped to RSSL.

These samples did contain the extraneous peak. The method was then transferred to LC-MS where the contaminant was identified as a long chain fatty alcohol ethoxylate. Analysis of swabs and extracts of equipment from the customer site indicated that glass pipettes contained this residue. Root cause analysis indicated that the pipettes were not being adequately rinsed after cleaning. Corrective and preventative actions were implemented.

Contact us to find out more about our expertise and how we can support you:

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