Tepnel Pharma Services is an independent CRO that specialises in the provision of pharmaceutical testing and molecular genetic services in support of drug development. Tepnel Pharma Services is focused on providing accurate, robust and time-honoured services that enhance patient safety and provide a better standard of healthcare.
Biomarker Discovery & Validation

Biomarkers are now an integral part of industry efforts to streamline drug development. They are increasingly important in helping “go/no-go” decisions in early phase pre-clinical and clinical development, either as indicators of safety or efficacy.

We offer biomarker services for discovery and validation from initial translational research into study design, through clinical trials support and onto the development of companion diagnostic tests.

Method Development – Feasibility assessment, establishing methods and development

Validation of Biomarker Methods – Validation of both in-house and commercial biomarker methods in GCP/GGLP standards

Biomarker Quantification Experience in Performing Sample Analysis on both Human and Animal Samples:
- Engineered Linked Immunomagnetic Assays (ELISA)
- bead- and cell-based assays (JunoTec® Apple technology)
- MRM mass spectrometry

Antibody Development and Validation of Antibodies

Comprehensive Range of Genomic Technologies for the Development and Validation of Biomarkers in both Pre-Clinical and Clinical Studies:
- Silk and SRA extraction services
- Ion Torrent® sequencing
- qPCR
- microarray services
- Invader® chemistry
- mRM mass spectrometry
- Luminex multiplexing

Sample sourcing
- Extraction of miRNA, RNA or DNA using FFPE specific protocols
- Expertise in handling a broad range of tissue types, including small biopsies
- Extraction of RNA, DNA or DNA using FFPE specific protocols

Assay Design and Validation, Custom assay design and validation services available to support clinical trials or the development of companion diagnostic tests

Rapid Response Services are Available to Support Clinical Studies (48 hour turn-around)

We have significant experience working with FFPE Tissue in a wide range of Biomarker Discovery and Validation Studies. Our histopathology services include specialist studies to aid in sample preparation for your study. A fast turnaround and an unparalleled quality providing you with the maximum return on your tissue samples:
- FFPE sample handling
- Retrieval of target genes
- Custom array design
- Comprehensive data analysis

Translational Services

Our Molecular Genetic Services team has extensive biomarker services experience and expertise supporting pre-clinical and clinical development of discovery and validation studies for the World’s leading pharmaceutical companies. Our laboratories operate under GCP and GLP regulations.

- Biomarker Discovery and Validation: The identification of prognostic, predictive or pharmacodynamic biomarkers can be carried out using a range of platforms.
- Biomarker services can offer biomarker testing services including preclinical and clinical studies.
- Translational scientists have extensive experience in discovery, preclinical and clinical phases.
- Our biomarker services support you through every aspect of your biomarker discovery and validation studies.

Translation and Validation of Biomarkers

Why Choose Us?

Over 30 years’ experience in serving the pharma industry

Serving customers worldwide

Regulatory compliant analytics

A wealth of experience across a wide range of technology platforms

Targeted delivery through process optimisation

Effective two way communication