

Therapeutic drug monitoring service:

The therapeutic drug monitoring service combines the expert pharmacological knowledge of the RVC with the unique patented analytical technology provided by the RVC's partner organisation deltaDOT, to provide a rapid service adapted to the end-user (veterinary practitioners, researchers) without any compromise in the quality of results.

Analyses are carried out to very high laboratory practice standards by highly qualified and experienced staff. All methods used are fully validated with internal and external quality assurance methods in place, so that clients can have full confidence in the results obtained.

Tests available:

- Glomerular filtration rate determined by Iohexol Clearance –

The test is designed to identify early renal disease and monitor its progression in companion animals. A Label-Free High Performance Capillary Electrophoresis (HPCE) method is used for the determination of Glomerular Filtration Rate (GFR) values in feline subjects administered with the contrast agent Iohexol (Omnipaque™). This capillary electrophoresis technique gives quicker results, with minimal sample preparation and lower costs compared to traditional HPLC techniques. The method allows next-day estimation of feline GFR in veterinary practice using as few as 3 samples taken after injection of a Iohexol bolus.

Sample submission form can be downloaded from deltaDOT web pages at <http://www.deltadot.com> following the link to Download pages or directly from <http://www.deltadot.com/downloads.htm>

New diagnostic services are constantly being developed with the intention of enabling the provision of a complete range of veterinary assays from the one company. The expert backgrounds of our analytical team mean that we can often provide unique and bespoke solutions to those with specific research and diagnostic needs, and we would encourage anyone with such needs to contact us to discuss them.

Tests coming soon (in development)

- Antiepileptic drugs : Potassium bromide, phenobarbital
- Amlodipine
- Glycosylated Haemoglobin
- Non-Steroidal Anti-Inflammatory drugs: Phenylbutazone, Fluxinin, Firocoxib

