

VLS - SERVICES and FEES – JUNE 2016

This document outlines the services and fees offered by the VLS; VAT is added to all fees stated. Turnaround is intended from the date of receipt. For additional details please refer to our full brochure, available on the VLS website: <https://www.liverpool.ac.uk/vetpathology/index.htm>

| POST-MORTEM EXAMINATION – WHOLE BODY SUBMISSIONS | |
|--|------------------------|
| CATEGORY | PRICE |
| Cats and Small dogs (<10kg) | £60.00 |
| Medium sized dogs (10-25kg) | £70.00 |
| Large/giant dogs (>25 kg) | £80.00 |
| Puppies/Kittens (up to 6 weeks) | £30.00 |
| Horses | £295.00 |
| Foals (up to 4 weeks) | £70.00 |
| Rabbits | £40.00 |
| Small mammals (mouse, rat, hamster, gerbil, guinea pig, etc) | £20.00 |
| Cage birds and poultry | £25.00 |
| Amphibians, reptiles | £20.00 |
| Old World Monkeys [New World Monkeys: see other species] | Please contact us |
| Fish (Fisheries/Fish farms) up to 3 specimens (<5kg each). [Ornamental fish: see other species] | £60.00 |
| Other species 0 - 5 kg | £30.00 |
| Other species 5 - 10 kg | £60.00 |
| Other species 10 - 25 kg | £70.00 |
| Other species 25 - 50 kg | £80.00 |
| Other species 50 - 75 kg | £90.00 |
| Other species 75 - 100 Kg | £100.00 |
| Other species 100-200 Kg | £150.00 |
| Other species 200 - 400 Kg | £200.00 |
| Other species 400 - 600 Kg | £300.00 |
| Giant species >600 Kg | Please contact us |
| FORENSIC POST MORTEM SERVICE | |
| Forensic post mortem report with photodocumentation (surcharge in addition to standard fee) | £200.00 - 250.00 |
| Veterinary Pathologist - Expert witness report / second opinion (professional time) | £100.00 / hour |
| POST MORTEM HISTOPATHOLOGY AND ADDITIONAL TESTS | |
| Histopathology - numbers of slides used on pathologist discretion | approx. £30.00 - 80.00 |
| Post mortem Immunohistochemistry (per slide) | £16.00 |
| TURNAROUND | |
| <i>Preliminary report: 7 - 10 days; Final report: 4 - 6 weeks; Legal / insurance cases: up to 2 months. Particularly complex cases may take more time.</i> | |

| CYTOLOGY | | | |
|--|--|-------------------|--------------|
| TEST | REQUIREMENT | TURNAROUND | PRICE |
| FNA, smears, cytopins etc (up to 3 slides) | air dried smears or fluid | 1-2 days | £20.00 |
| Additional slides (per slide) | | | £6.00 |
| Grading/Scoring (when available in the literature) | air dried smears, fluid or pre-stained slide | | £10.00 |

| SURGICAL BIOPSIES - HISTOPATHOLOGY | | | |
|---|--|--------------------|----------|
| TEST | REQUIREMENT | TURNAROUND | PRICE |
| Single Biopsy (up to 3 paraffin wax blocks) | Formalin fixed sample | 1-3 days | £30.00 |
| *Additional paraffin blocks/slides | | | £8.00 |
| Special stains: 1-2 | | | included |
| Special stains:>2 (each) | | | £10.00 |
| RAPID - same day - Histology** | Fresh sample in formalin | by 5pm of same day | £60.00 |
| Second opinion | Pre stained slides | 1-3 days | £25.00 |
| Tumour grading within the report (when available in the literature) | Formalin fixed sample or stained slide | | £10.00 |
| * additional blocks and special stains are used at the pathologist's discretion according to the requirements of the case. | | | |
| ** samples need to be received by 11 am or by first post on the same day. The conclusion may not be definitive. A final report is sent the next day based on standard processed histology sample. | | | |

| IMMUNOHISTOLOGY | | | |
|---|--------------------------------|------------|--------|
| TEST | REQUIREMENT | TURNAROUND | PRICE |
| Tumour phenotype markers [see list] (per antigen and block) | paraffin block / pre cut slide | ~7 days | £16.00 |
| Infectious agents (per antigen and block) | paraffin block/ pre cut slide | ~7 days | £19.00 |
| RAPID - 48h - (price in addition to the stains)* | paraffin block / pre cut slide | 48 hours | £60.00 |
| * samples need to be received by 1 pm on the first day. | | | |

| PROGNOSTIC IMMUNOHISTOCHEMICAL EVALUATION | | | |
|--|--------------------------------|------------|--------|
| TEST | REQUIREMENT | TURNAROUND | PRICE |
| Canine oral and dermal melanoma | | | |
| Ki 67 score | paraffin block / pre cut slide | ~7 days | £40.00 |
| COX-2 expression | paraffin block / pre cut slide | ~7 days | £40.00 |
| Ki 67 score + COX-2 expression | paraffin block / pre cut slide | ~7 days | £65.00 |
| Canine mammary gland carcinoma | | | |
| COX-2 expression | paraffin block / pre cut slide | ~7 days | £35.00 |
| Feline mammary gland carcinoma | | | |
| COX-2 expression | paraffin block / pre cut slide | ~7 days | £35.00 |
| Ki 67 score | paraffin block / pre cut slide | ~7 days | £35.00 |
| Canine Osteosarcoma | | | |
| COX-2 expression | paraffin block / pre cut slide | ~7 days | £35.00 |
| Canine dermal/subcutaneous mast cell tumour | | | |
| Ki 67 score | paraffin block / pre cut slide | ~7 days | £35.00 |
| KIT pattern | paraffin block / pre cut slide | ~7 days | £35.00 |
| Ki 67 score + KIT pattern | paraffin block / pre cut slide | ~7 days | £50.00 |
| | | | |

Other services 

IMMUNOCYTOLOGY

| TEST | REQUIREMENT | PRICE |
|--|---|--------|
| Tumour phenotype markers per slide* | unstained smear on polylysine/superfrost plus | £16.00 |
| RAPID - 48h - (price in addition to the stains)*, ** | unstained smear on polylysine/superfrost plus | £60.00 |

* the service is in development, please contact us for the availability of the markers for immunocytoLOGY
 ** samples need to be received by 1 pm on the first day.

TRANSMISSION ELECTRON MICROSCOPY (TEM)

| TEST | REQUIREMENT | PRICE |
|------------------------------------|-------------------------------|--------|
| TEM single biopsy (up to 5 blocks) | glutharaldehyde fixed sample* | £80.00 |
| TEM negative stain (for Viruses) | any sample | £80.00 |
| Supply Glutaraldehyde fixative | | £5.00 |

* TEM can be attempted on Formalin fixed or Formalin fixed paraffin Embedded sections: results are variable

DIAGNOSTIC PACKAGES

| TEST | REQUIREMENT | TURNAROUND | PRICE |
|--|---|------------|-------|
| Muscle Biopsies (including appropriate special stains) [HE] | Formalin fixed sample | 1-3 days | 50.00 |
| <i>Intra vitam</i> diagnosis of FIP (Feline Coronavirus) [IHC] | Fluid native / cell pellet formalin fixed | ~7 days | 30.00 |
| RAPID <i>intravital</i> diagnosis of FIP (Feline coronavirus)* | Fluid native / cell pellet formalin fixed | 48h | 80.00 |
| Ciliary dyskinesia [TEM] | Glutharaldehyde fixed tracheal biopsy | 2-3 weeks | 80.00 |

* samples need to be received by 1 pm on the first day.

ADDITIONAL TESTS

ONCOLOGY - the following test are submitted to an external laboratory; reporting times may vary

| TEST | REQUIREMENT | TURNAROUND | PRICE |
|--------------------------------------|---|------------|--------|
| Lymphoma clonality test (PARR - PCR) | | | |
| Canine | Histology or Cytology (stained/unstained) slide | ~7 days | 100.00 |
| Feline | Histology or Cytology (stained/unstained) slide | ~10 days | 100.00 |
| KIT exon mutations (8,9,11) | | | |
| Canine | Histology or Cytology (stained/unstained) slide | ~10 days | 120.00 |
| Feline | Histology or Cytology (stained/unstained) slide | ~10 days | 120.00 |