

2026/06 Tests & Prices – Clinical & Comparative Neuropathology Laboratory, Institute of Veterinary Pathology, Centre for Clinical Veterinary Medicine, LMU

Our invoices always address the submitting veterinary colleagues, practices, clinics or companies. Hence, we are not bound to the Gebührenordnung für Tierärzte (GOT) by the Bundestierärztekammer (BTK) e.V., which also does not list the type of investigations necessary to screen for neurological & neuromuscular (system) disorders.

Please, note: reduced charges apply to endangered species and wildlife animals, for residency programs, scientific projects and case reports. We are in particular keen to support academic purposes and the efforts of junior researchers.

Remember to request reduced charges via info@neuropathologie.de before (!) ordering a test.

Standard Protocols for Cells, Nerves, Muscles and other [non-CNS] Tissue Samples

Tests	Protocol / dedication	Description / includes	Main focus	Approximal turn around #	Provisional costs
0001 Standard FFPE	Recommended for examination of single gross lesions [Caveat: not suitable for systemic CNS, PNS or muscle disorders]	Paraffin sections, histological stains	Meningeal pathologies, mass lesions, vascular abnormalities, gross inflammatory lesions	2-3 working days	Up to 2 routine slides from first block: € 45 (standard stains) Additional slides (same or other block), treatments (e.g. decalcification) and histological stains: € 15 each
0001+ Standard FFPE plus IHC Tumour Panel	Recommended for advanced classification and/or grading of tumours	Paraffin sections, histological stains and immunohistochemical examination by established standard markers.	Neoplasms (all sites & compartments)	Prelim diagnosis 2-3 working days Final addendum 7-14 working days	2 routine slides plus essential tumour markers (up to 3 antigens): € 85 Additional slides and/or stains: € 15 each
0002 Standard CYTO	Neurocytology	Panoptic staining (prestained or in house); cytological evaluation	CSF cytology; smears/imprints from CNS/PNS lesions and masses	2-3 working days	Up to 2 routine slides: € 25 (standard stain) Additional slides or cytological stains (e.g. gram) on plain or prestained slides: € 15 each

0003x PARR [SA]	PCR-testing for antigen receptor rearrangement- Small Animals [via external lab]	Clonality testing for suspected lymphoma in tissues, CSF samples or smears	CNS / PNS lymphoma	2 wk	€ 135 [subject to unexpected changes by the referral laboratory]
0004 NMSP [SA]	Neuromuscular standard test – Small Animals and other Non-Equids [recommended first line investigation for neuromuscular/PNS diseases]	Includes FFPE and cryosections for muscle, semithin sections and teased fibre preparation for nerves, standard stains, fibre typing (muscle), enzyme histochemistry (muscle), and microscopic examination of up to 3 individual nerve and/or muscle samples	Neuro/muscular disorders e.g. with muscle wasting, weakness, exercise intolerance, spasm, reduced spinal reflexes, muscle pain, increased CK	7 working days	Named standard procedures: € 135 Each additional tissue sample: € 65 Additional stains: €15 on FFPE €35 on cryosections Autoantibody panel testing € 35
0005		Serum and EDTA blood sample to be added to the tissues!			
0006 NMSP [Eq]	Neuromuscular standard test – Equids [recommended first line investigation of equine neuromuscular abnormalities]	Same as NMSP-SA, plus special stains/markers for degenerative myopathy and polysaccharide storage myopathy.	Neuro/muscular disorders e.g. with muscle wasting, weakness, exercise intolerance, stiffness, spasm, fasciculation, muscle pain, increased CK, myoglobinuria	7 working days	Named standard procedures: € 165 Each additional tissue sample: € 75 Additional stains: €15 on FFPE €35 on cryosections Autoantibody panel testing € 35
0005		Serum and EDTA blood sample to be added to the tissues!			
0007 Senso- PNS	Sensory nerve dysfunction, systemic and regional – all species	[1] two peripheral nerves – mixed (e.g. common peroneal) and sensory branches (e.g. superficial radial): semithin sections / standard stain; nerve fibre teasing / standard stains. [2] one skeletal muscle: cryo & FFPE histology; examination of muscle spindles, small nerve branches. [3] plus: skin biopsy &	Ataxic neuropathies; dysaesthesia, automutilation/scratching; with/w/o dysautonomia; urinary/faecal incontinence	7 working days With electron	Named standard procedures: € 165 Each additional tissue sample: € 65 With electron

0005		whiskers for immunohistochemical assessment of small fibre abnormalities Serum and EDTA blood sample to be added to the tissues!		microscopy (on demand): 3 weeks]	microscopy €195 Autoantibody panel testing € 35
0008 Focal-PNS	Focal (gross) nerve lesion – all species [Caveat: not suitable for systemic PNS or muscle disorders]	Paraffin sections / standard stains.	PNS tumours; PNS trauma; gross inflammation/septic lesion; other interstitial and vascular neuropathies. [Caveat: no screen for nerve fibre-directed pathologies]	2-3 working days With semithin sections (on demand): 7 working days]	Up to 2 routine slides from first block: € 45 (standard stains) Additional slides (same or other block), treatments (e.g. decalcification) and histological stains: € 15 each Additional semithin sections (on demand): € 75 per block
0009 Focal-MYO	Focal (gross/DI) muscle lesion screen - all species [Caveat: not suitable for systemic PNS or muscle disorders]	Paraffin sections / standard stains.	Tumours; muscle trauma; tissue remodeling; gross inflammation/septic lesion; other interstitial and vascular pathologies. [Caveat: no screen for muscle fibre-directed pathologies]	2-3 working days Additional semithin sections (on demand): 7 working days	Up to 2 routine slides from first block: € 45 (standard stains) Additional slides (same or other block), treatments (e.g. decalcification) and histological stains: € 15 each Additional semithin sections (on demand): € 75 per block
0010x Metabol-MYO	Muscle biochemistry – all species* [as adjunct to NMSP; in external biochemistry laboratory] *reference sample to be included	Specific enzymology and metabolite analysis on snap-frozen muscle	Diagnosis of inborn errors of metabolism and muscle specific metabolic disorders	2-3 weeks	€ 150 to € 250 per panel [subject to unexpected changes by the referral laboratory]

Please, understand that turn-around times may vary according to our diagnostic staff availability, the actual

case-load, our involvement in disease surveillance, forensic investigations and academic teaching activities.

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!! Listed prices do not contain VAT.

Brain & Spinal Cord Protocols

Please, note that CNS follow-ups of preceding biopsy and/or cytological examinations (carried out by our laboratory) as well as of unusual and educational cases may be subsidised from our side!

Remember to request reduced charges for endangered species, wildlife animals, residency case logs, scientific projects and publications via info@neuropathologie.de before (!) ordering a test.

CNS Protocols –Full or Partial Procurement by Submitting Veterinarian

Please, note that (complete) CNS follow-ups of preceding biopsy and/or cytological examinations may be substantially subsidised as are the objectives named above!

Tests	Protocol / dedication	Description / includes	Main focus	Approximal turn-around #	Provisional costs
0011 Focal-CNS	Focal CNS lesion or limited sample availability – all species [Caveat: may not shed light on extrafocal pathologies; limited representativity]	Paraffin sections / standard stains after CNS histoprocessing.	[1] planned: CNS tumours; gross inflammatory & septic lesions; vascular abnormalities; impact of adjacent compartment diseases. [2] random (“fishing”): involvement by other CNS diseases.	2-3 working days	Up to 2 routine slides from first block: € 45 (standard stains) Additional slides (same or other block), treatments (e.g. decalcification) and histological stains: € 15 each Study enrolment: €15
0012 Pocket-CNS	CNS examination in small puppies, small exotics and pocket pets < 1 kg	Includes complete gross CNS examination; systematic or lesion-based trimming, standard sampling; paraffin histology; up to 2 stains	Systemic CNS pathologies & lesions; lesion characterisation & mapping	3 wk	Brain and/or spinal cord: € 25 Study enrolment: €15
0013 Cat-CNS	CNS examination in small felids	Includes complete gross CNS examination; systematic (IVETF type, ataxia protocol) or lesion-based trimming, standard sampling (including DRG/nerve roots); paraffin histology; up to 2 stains	Systemic CNS pathologies & lesions; lesion characterisation & mapping, and tracing	3 wk	Brain: € 35 Spinal cord: € 20 Both: € 40 Study enrolment: €15
0014a Dog-CNS_S	CNS examination in small dogs and carnivores of	Includes complete gross CNS examination; systematic (IVETF type, ataxia protocol) or lesion-	Systemic CNS pathologies & lesions; lesion characterisation	4 wk	Brain: € 40 Spinal cord: € 30

	similar size; Brain weight < 100g	based trimming, standard sampling (including DRG/nerve roots); paraffin histology; up to 2 stains	& mapping, and tracing		Both: € 50 Study enrolment: €15
0014b Dog- CNS_L	CNS examination in small dogs and carnivores of similar size; Brain weight ≥ 100g	Includes complete gross CNS examination; systematic (IVETF type, ataxia protocol) or lesion-based trimming, standard sampling (including DRG/nerve roots); paraffin histology; up to 2 stains	Systemic CNS pathologies & lesions; lesion characterisation & mapping, and tracing	4-5 wk	Brain: € 45 Spinal cord: € 40 Both: € 55 Study enrolment: €20
0015 Equi-CNS	CNS examination in equids	Includes complete gross CNS examination; systematic (modified IVETF type, ataxia protocol) or lesion-based trimming, standard sampling (including DRG/nerve roots); paraffin histology; up to 2 stains	Systemic CNS pathologies & lesions; lesion characterisation & mapping, and tracing	4-6 wk	Brain: € 75 Spinal cord: € 55 Both: € 85 Study enrolment: €20
0016 ExoFarm- CNS	CNS examination in (non-equid) farm animals & private-kept large exotics	Includes complete gross CNS examination; systematic (modified IVETF type, ataxia protocol) or lesion-based trimming; systematic or tailored sampling; paraffin histology; up to 2 stains	Systemic CNS pathologies & lesions; lesion characterisation & mapping, and tracing	3-5 wk	Brain: € 40 Spinal cord: € 30 Both: € 50 Study enrolment: €15
0017a/b WildZoo- CNS	CNS examination zoo and wildlife species	Includes complete gross CNS examination; systematic (modified IVETF type, ataxia protocol) or lesion-based trimming; systematic or tailored sampling; paraffin histology; up to 2 stains.	Systemic CNS pathologies & lesions; lesion characterisation & mapping, and tracing	4 wk 6 wk	Brain < 200g: € 35 Spinal cord < 75 cm: € 20 Both: € 40 Study enrolment: €15 Brain ≥ 200g: € 45 Spinal cord ≥ 75 cm: € 40 Both: € 55 Study enrolment: €25

- # Please, understand that turn-around times may vary according to our diagnostic staff availability, the actual case-load, our involvement in disease surveillance, forensic investigations and academic teaching activities.
- ! Standard tests will be applied to the samples if there was test specified. Please, also be aware that all tissues submitted will undergo processing and analyses unless requested otherwise!
- !! Listed prices do not contain VAT.

In-house Autopsy/Necropsy with advanced Neurodissection

For full postmortem examination by anatomic pathology specialists at our Institute see (or request) the actual price list: <https://www.patho.vetmed.uni-muenchen.de/diagnostik/preise-tieraerzte-2025-neu.pdf>

Standard autopsy covers evaluation of random samples from forebrain, cerebellum and brainstem.

Neurological cases, forensic cases, animals that deceased for unclear reasons and those with structural abnormalities of the nervous system, sensory organs or muscle, identified on diagnostic imaging or during autopsy or trimming, will undergo a complete, systematic CNS, PNS and muscle examination as described above. These extended diagnostic procedures will be charged by € 15 to €20 on top of the standard autopsy prices, unless one of the above mentioned reasons for subsidy apply. Please, request a subsidy for special purposes before (!) submitting a case for autopsy.

Ancillary Tests

Tests to be carried out after standard examination. The referring veterinarian will be contacted before ordering one of these investigations, unless specifically requested,

Tests	Protocol / dedication	Description / includes	Main focus	Approximal turn-around #	Provisional costs
0018 IHC ICC IF	Immunohistochemistry Immunocytochemistry Immunofluorescence [only in addition to histological examination]	Examination for specific antigens within tissue (IHC, IF) or cytological specimens (ICC, IF) via labelled antibodies	Viral & microbial proteins; specific disease markers; tumour markers; functional proteins	1-2 weeks after histological examination	
0018s Single-IHC/ICC/IF	Evaluation for a single antigen	<i>Single marker used per slide</i>	<i>See above</i>	<i>See above</i>	Established marker/ first slide: € 30 Additional established marker per run: € 20 each Additional slides per marker: € 15 each <i>Specific disease panels (e.g. tumour):</i> <i>€50-65</i> <i>[request quote]</i> <i>New requested</i>

					<i>marker (including establishment): € 150 for first slide</i>
0018d Double-IHC/ICC /IF	Evaluation for two antigens in the same tissue section/cytological specimen	<i>Labelling with 2 markers per slide</i>	<i>See above</i>	<i>See above</i>	Established markers only: € 65 per slide
0019 ISH	Evaluation for RNA/DNA of a certain infectious pathogen	Single probe used for RNA/DNA labelling	Viral & microbial nucleic acid	2-3 weeks after histological examination	Established probe/ first slide: € 65 Additional slides per probe: € 55 each New requested probe (including establishment): € 175 for first slide
0020x 0021x PCR-Gen	Polymerase chain reaction & gene tests [via external lab]	Retrieval and shipment of material to PCR/genetic laboratory	Viral & microbial nucleic acid; genetic disorders; tumour-specific mutations	2-3 weeks for established tests	€ 35 to € 75 per test, depending on laboratory [request quote]
0022 0023 ELMI	Semithin & ultrastructural examination - all tissues	Transmission electron microscopy following semithin section microscopy	Subcellular, small & unmyelinated fibre changes; organellopathies; demyelinating disorders; intracellular pathogen detection; etc	3 weeks upon histological examination	€ 75 vs € 110 per sampling site

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Disclosure

We assume that the submitting veterinarian has requested the owner's permission for sampling, processing, diagnostic and/or scientific examination of the tissue, for recording of the results and for either incineration or scientific use of tissue and body fluid remains.

Residual tissues, CSF, blood and serum samples might be used for teaching, clinical and research reasons in order to train students and residents, to elucidate disease mechanisms, to identify targets for tailored therapies and to improve diagnosis and clinical management of animal patients. For this reason, the prices for our diagnostic tests are substantially subsidised and, therefore, rather affordable.

Case specific data will be used anonymously and all studies are conducted according to institutional ethics and welfare guidelines.

The test results offered are accurate to the best of the knowledge of the investigators supervising the examination, the procedures and reports.

The LMU team, however, cannot take responsibility for errors that may have occurred due to mishandling of the tissue before and during shipment, due to delayed delivery or due to inaccurate or insufficient data supplied to the LMU laboratory.