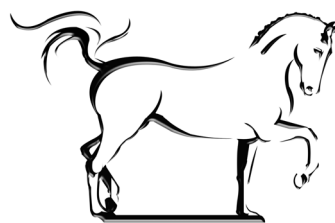


Equine Specialist Pathology



TDDS, Unit G, The Innovation Centre,
Rennes Drive, Exeter EX4 4RN
Tel 01392 262 404
Email tdds@exeter.ac.uk

Price List 2009

TDDS in conjunction with David Rendle of Western Counties Equine Clinic now offers a high quality equine specialist pathology service. The service delivers high quality diagnostic results and expert opinions to help Equine Veterinary Surgeons deal with the daily challenges of practice.

David Rendle's equine internal medicine expertise compliments the skills and knowhow of the highly qualified and knowledgeable pathologists and technical expertise already available at TDDS. Together we provide a meticulous personalised specialist equine service with case continuity and genuine care for your veterinary patients.

Case discussion and referral support is a very welcome and integral aspect of our equine service.

Principal consultants

Dr Andrew Torrance MA, Vet MB, PhD, Dip ACVIM, Dip ACVP, Dip ECVCP, MRCVS
RCVS Recognised Specialist in Clinical Pathology

David Rendle BVSc CertEM(IntMed) MRCVS
(Western Counties Equine Clinic Limited)

Oliver Coldrick BSc(Hons) BVMS, MRCVS

Lindis Fouracre BSc (dbl Hons), BVet Med, MRCVS
(TDDS—Cambridge University Veterinary School Resident in Clinical Pathology)

Tim Scase BSc BVM&S PhD MRCVS Dip.ACVP
(Bridge Pathology Limited)

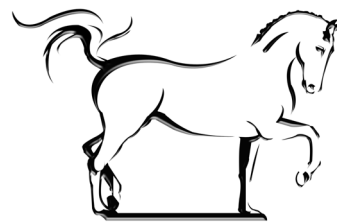
David Rendle BVSc CertEM(IntMed) MRCVS

David began his professional career in 2001 in large animal practice in Somerset before joining the Liphook Equine Hospital in March 2003. In order to pursue his evolving interest in internal medicine David was then fortunate enough to be sponsored by The Horserace Betting Levy Board to undertake a 3 year residency programme split between The University of Glasgow Veterinary School and The Liphook Equine Hospital. During this time he worked exclusively in the field of Internal Medicine and in addition to seeing referral and first opinion cases was actively involved in laboratory medicine and conducted research into recurrent airway obstruction. In 2007 he was awarded the Royal College of Veterinary Surgeons Certificate in Equine Internal Medicine and in 2008 attained the credentials to sit the next round of European College of Equine Internal Medicine Diploma examinations. His bibliography includes peer reviewed publications on clinical pathology, Cushings and insulin resistance, laminitis, dermatology, neurology and colic.

On completion of his residency programme David remained at The Liphook Equine Hospital dividing his time equally between second opinion Internal Medicine cases and laboratory reporting. In December 2008 the lure of the Westcountry overcame and David returned to his roots accepting a position at Western Counties Equine Clinic in Culmstock, Mid Devon.

David's medical interests complement Western Counties existing 7-vet first opinion and surgical teams. In addition to seeing referral medicine cases and caring for post operative patients David is actively involved in the practice's first opinion caseload and therefore has an understanding of the practical implications of clinical pathological reporting and a down-to-earth approach.

Equine Specialist Pathology Price List 2009



Profiles

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Full profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, SAA, AST, CK, GGT, GLDH,
ALP, Urea, Creatinine

Reduced profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, CK, GGT, ALP, Creatinine

Performance profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, AST, CK

Inflammatory profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, SAA

Liver profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, ALP, AST, GGT, GLDH, LDH,
Bile acids

Renal profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, Urea, Creatinine, Ca, PO4

Intestinal profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, ALP, GGT, CK

Neonatal profile

Haematology, TP, Albumin, Globulin,
Fibrinogen, SAA, IgG

Metabolic profile

Insulin, Glucose, Triglycerides, RISQI, MIRG

Coagulation profile

Blood film exam, Platelet count, PT, APTT,
D-Dimer, Fibrinogen

Electrolytes

Na, K, Cl, Ca (ionised), Ca(total), PO4, Mg

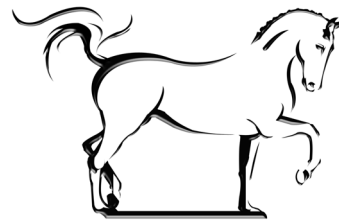
Profiles	Code	Price £
Full profile	Eq 1	46
Reduced profile	Eq 2	35
Performance profile	Eq 3	30
Inflammatory profile	Eq 4	25
Liver profile	Eq 5	46
Renal profile	Eq 6	34
Intestinal profile	Eq 7	35
Neonatal profile	Eq 8	35
Metabolic profile	Eq 9	29
Coagulation profile	Eq 10	30
Electrolytes	Eq 11	28

Haematology	Code	Price £
Complete haematological exam	Eq 12	17
WBC and differential	Eq 13	15
Pt (+control)	Eq 14	7
APTT (+control)	Eq 15	7
D Dimer	Eq 16	21
Coombs Test	Eq 17	18

Cytology	Code	Price £
Mass cytology	Eq 18	21
Fluid / Wash cytology	Eq 19	24
Cytology and culture	Eq 20	32
Respiratory investigation (TW + BAL + Culture)	Eq 21	49

Endocrinology	Code	Price £
Fasting insulin	Eq 22	18
Cortisol	Eq 23	16
Dex Supression (2x Cortisol)	Eq 24	25
ACTH assay	Eq 25	17
Oestrone sulphate pregnancy	Eq 26	26
Oestrone sulphate rig	Eq 27	32
Progesterone	Eq 28	19
Testosterone	Eq 29	25
Dynamic testosterone test	Eq 30	37
Inhibin	Eq 31	52
Equine chorionic gonadotrophin	Eq 32	21
T3	Eq 33	17
T4	Eq 34	13

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Faecal Analysis Code Price £

Adult Diarrhoea (WEC, culture, clostridial toxins)	Eq 35	44
Foal Diarrhoea (Culture, clostridial toxins, rotavirus, cryptosporidium)	Eq 36	56
Worm egg count	Eq 37	10
Worm egg count >5 horses	Eq 38	8
Tapeworm ELISA	Eq 39	26
Lungworm flotation (Baermann)	Eq 40	10
Salmonella, aeromonas, campylobacter culture + enrichment broth	Eq 41	20
Clostridial toxins (diff A,B perf enterotox)	Eq 42	34
Rotavirus ELISA	Eq 43	14
Cryptosporidium	Eq 44	12
Lawsonia PCR	Eq 45	45

Urinalysis Code Price £

Dipstick, microscopy	Eq 46	11
Dipstick, microscopy + culture	Eq 47	22
Fractional electrolyte clearance (Na, K, Ca, PO ₄)	Eq 48	25
GGT : creatinine ratio	Eq 49	12

Microbiology Code Price £

Aerobic culture	Eq 50	15
API Streps, Entrobacteriaceae (for precise speciation)	Eq 51	11
Anaerobic culture	Eq 52	12
Disc sensitivity	Eq 53	8
CEM	Eq 54	16
CEM x3	Eq 55	45
CEM x4	Eq 56	56
Skin – microscopy, aerobic and fungal culture	Eq 57	24
Ringworm culture	Eq 58	17

Histopathology Code Price £

1-3 tissue samples	Eq 59	36
4+ tissue samples: per additional tissue sample	Eq 60	6
Large or complex samples requiring assessment of multiple surgical margins: additional	Eq 61	40

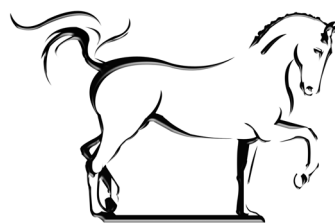
Biochemistry Price £

TP	5
Alb	5
Glob	5
LDH plus isoenzymes	20
Fibrinogen	8
SAA	8
IgG	14
AST – Aspartate amino transferase	5
CK – Creatinine Kinase	5
LDH	5
Serum Protein Electrophoresis	20
GGT	5
GLDH	5
ALP	5
Bilirubin (total)	5
Bile acids	8
Urea	5
Creatinine	5
Glucose	5
Triglycerides	5
Amylase	5
Lipase	5
Copper	13
Selenium	20
Zinc	13
Vitamin E	20
GSH Px / selenium	20
Cardiac troponin	22

Virology / Serology Code Price £

EVA (elisa)	Eq 62	10
EVA (VN)	Eq 63	21
EIA (elisa)	Eq 64	10
CEM, EVA, EIA	Eq 65	35
CEM, EVA	Eq 66	28
EHV	Eq 67	26
E Influenza	Eq 68	23
Rhinovirus	Eq 69	23
EHV/Inf/Rhino	Eq 70	45
Borrelia (lyme serology)	Eq 71	24
Borrelia PCR	Eq 72	44

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Sampling

This is a concise guide to sampling requirements. If in doubt about the correct sample to submit please call us and we'll help.

Separated serum and plasma samples develop fewer sample ageing artefacts than whole blood and are generally preferred if possible.

Haematology	EDTA
Coombs test	EDTA
Coagulation	Sodium citrate

Cytology

Fine needle aspirates	Air dried smears
Bone marrow	Air dried smears
Fluids and washes	EDTA + Plain tubes. Contact TDDS

Biochemistry

Vit A&E	Serum or heparin plasma
Fibrinogen	Heparin plasma only
Lead	EDTA
Zinc	Heparin whole Blood
	Serum in non rubber top tube
Urine tests	1-5 ml Urine
GSHPX/Selenium	Heparin whole blood
Ionised calcium	Chilled serum or plasma with minimal exposure to air

Endocrinology

ACTH	1-2 ml serum
	Chilled separated EDTA plasma

Serology

	0.5 - 1.0 ml serum
Faecal analysis	2-5g fresh faeces
Urine analysis	1-5 ml urine

Bacterial culture

Dermatophyte culture	Charcoal transport swabs
Dermatophilus	Scrapings of skin and hair
	Scabs

Histopathology

	Tissues in 10% formal saline
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Toxicology investigation	Contact TDDS
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Protocols

Metabolic profile – collect serum and OXF sample in the morning following overnight starvation

Overnight dexamethasone suppression test collect serum at 5 pm and administer 20mg/500kg or 40µg per kg dexamethasone IV, resample 18 hours later (10 am next day)

Dynamic testosterone test - take serum and then inject HCG (6000IU/horse) and resample in 1 hour.

Opening times, Reporting & Support

TDDS is open from 8.30 am to 5.30 pm Monday to Friday and 8.30 am to 12.30 pm on Saturday.

URGENT SAMPLES – If results are needed for urgent race deadlines, please indicate this on the submission form with the time of the deadline. This will incur an extra charge of £2 per horse.

For out of hours telephone support or emergencies please call Dave Rendle on 07590 228398 or 01884 841100

Haematology, profiles, telemedicine, endocrinology and most serology tests are reported on the day of receipt.

Cytology is reported on the day of receipt or the day following receipt.

Bacteriology and histopathology reporting times are usually 1-5 days.

Reports can be delivered by post, fax or e-mail, please let us know your requirements.

Terms of Business

Prices exclude VAT.

TDDS charges VAT at the prevailing rate.

TDDS invoices customers at the end of each month.

Settlement is due within 7 days of invoice date.

Blood submitted for biochemistry is stored for 30 days and for haematology for 7 days.

TDDS provides supplies, submission forms and pre-paid submission envelope labels on request.

It is the responsibility of the sender to ensure all packages sent to TDDS comply with the current Royal Mail regulations.