



المختبر التشخيصي
لمستشفى الشارقة للخيول

SHARJAH EQUINE HOSPITAL
Diagnostic Lab

Sharjah Equine Hospital Diagnostic Lab (SEH-DL)

SEH-DL provides a fully comprehensive range of clinical pathology and other diagnostic services designed for horses and other domestic and exotic animals and avian species in the Arabian Gulf. In addition, SEH-DL's close alliance with the internationally renowned Rossdales Laboratory in Newmarket, UK greatly broadens SEH-DL's ability to provide an accurate diagnosis and prognosis, and hence suggest optimum therapies for the more unusual or difficult cases.

SEH-DL provides a same-day service for many routine haematological, biochemical and microbiological investigations upon samples delivered to the laboratory by 11.00 am.

The present diagnostic range includes:

BIOCHEMISTRY, SEROLOGY, VIROLOGY, PARASITOLOGY, DERMATOLOGY, BACTERIOLOGY, CYTOLOGY, ANDROLOGY, HEALTH CHECK PROFILES and HISTOPATHOLOGY.

If you can't find the laboratory test you require listed in the brochure please give us a call as new tests are being added all the time.



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Sharjah Equine Hospital Diagnostic Lab
Interchange No. 6, Al Dhaid Road, Al Atain, Sharjah.

Tel: 06 536 1000
Email: laboratory@seh.ae

The laboratory and its staff



Dr Hussein Omar

Laboratory manager
BVSc (Veterinary Science)
Assiut University, Egypt
hussein@seh.ae



Abdul Muneem Shabandri

Laboratory technician
MSc (Medical Laboratory Technology)
Rajiv Gandhi University of Health Science,
Bangalore, India
abdul@seh.ae



Shameem Pakkada

Laboratory technician
BSc (Medical Laboratory Technology)
Rajiv Gandhi University of Health Science,
Bangalore, India
shameem@seh.ae

Veterinary surgeons and scientists at Sharjah Equine Hospital

with a wealth of knowledge in equine medicine, orthopaedics, soft tissue surgery and reproduction are always at hand to discuss your laboratory results at no additional cost.



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Biochemistry

Test	Sample type	Time (days)
Albumin (Alb)	Serum	1
Alkaline phosphatase (ALP)	Serum	1
Aspartine aminotransferase (AST)	Serum	1
Bilirubin (total)	Serum	1
Bilirubin (direct)	Serum	1
Biochemistry	Serum	1
<i>Brucellosis</i> —Rose Bengal test	Serum	1
Calcium (Ca)	Serum	1
Cholesterol	Serum	1
Creatinine (Creat)	Serum	1
Creatinine phosphokinase (CK)	Serum	1
Electrolytes	Serum	1
Fructosamine	Serum	1
Gamma glutamyl transferase (GGT)	Serum	1
Globulin (Glob)	Serum	1
Glucose (Gluc)	Serum	1
IgG Snap Foal test	Serum	1
Iron (Fe)	Serum	1
Lactate dehydrogenase (LDH)	Serum	1
Magnesium (Mg)	Serum	1
Phosphorous (P)	Serum	1
Serum Amyloid A (SAA)	Serum	1
Symmetric dimethylarginine (SDMA)	Serum	1
Total protein (TP)	Serum	1
Triglycerides (TGL)	Serum	1
Troponin	Serum	1
Urea (U)	Serum	1



Health check profiles



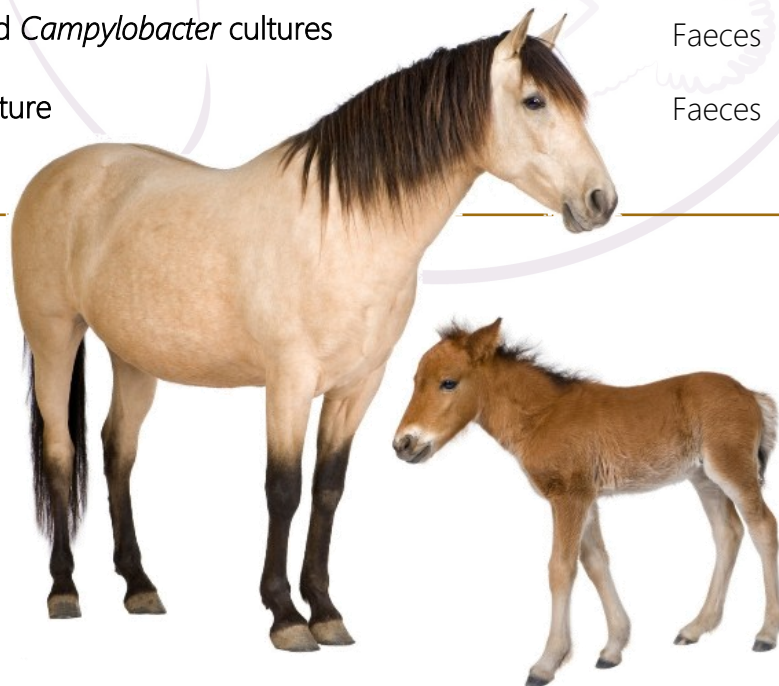
Test	Sample type	Time (days)
General profile 1 Albumin, ALP, AST, bilirubin (total), calcium, CBC, CK, creatinine, LDH, fibrinogen, GGT, globulin, glucose, total protein, urea	Whole blood & serum	1
General profile 2 Albumin, ALP, AST, bilirubin (total), calcium, CBC, CK, creatinine, LDH, GGT, globulin, glucose, total protein, urea	Whole blood & serum	1
General profile 3 Albumin, ALP, AST, bilirubin (total), calcium, CBC, LDH, CK, Cl, creatinine, GGT, globulin, glucose, K,	Whole blood & serum	1
General profile 4 AST, CBC, CK, creatinine, GGT, glucose, iron, LDH, total protein, urea	Whole blood & serum	1

Test	Sample type	Time (days)
Liver function profile ALP, AST, bilirubin (total), CBC, GGT	Whole blood & serum	1
Hepato-renal profile Albumin, bilirubin (total), creatinine, GGT, total proteins, urea	Serum	1
Renal function profile Albumin, CBC, creatinine, fibrinogen, globulin, total proteins, urea, urine analysis	Whole blood & serum	1
Inflammation profile CBC, fibrinogen	Whole blood	1
Newborn profile Albumin, CBC, creatinine, fibrinogen, globulin, total proteins	Whole blood & serum	1
Myopathy profile AST, calcium, CK, LDH	Serum	1
Pre-anaesthetic profile CBC, creatinine, SAA	Whole blood & serum	1



Parasitology and faecal analysis

Test	Sample type	Time (days)
Faecal worm egg screening test	Faeces	1
Faecal worm egg count - McMaster method	Faeces	1
Occult blood	Faeces	1
Diarrhoea panel - older foal, weanling and adult horse <i>Salmonella</i> culture, worm egg count	Faeces	3
Diarrhoea panel - young foal Cryptosporidium, Giardia, Clostridium toxins	Faeces	3
<i>Clostridium perfringens</i> toxins	Faeces	3
<i>Clostridium difficile</i> toxins	Faeces	3
<i>Salmonella</i> and <i>Campylobacter</i> cultures	Faeces	3
<i>Salmonella</i> culture	Faeces	3



Dermatology and urine analysis

Test	Sample type	Time (days)
Ringworm (Dermatophytes rapid immunoassay)	Skin scrape	1
Skin scrapings and hair plucks (microscopy, bacterial culture and antibiotic sensitivity)	Skin scrape & hair pluck	3
Dermatophilus examination	Skin scrape	1
Urine analysis using strips	Urine	1
Urine analysis including aerobic culture and antibiotic sensitivity	Urine	3

Bacteriology

Test	Sample type	Time (days)
Swab or fluid for aerobic or microaerophilic culture and antibiotic sensitivity test	Swab	3
<i>Streptococcus equi</i> culture	Swab	3
Fungal culture	Swab	14
Anaerobic culture	Swab	7

Cytology

Test	Sample type	Time (days)
Uterine cytology	Swab/Cytology brush	1
Tracheal wash aspirate	Tracheal wash	1
Peritoneal fluid, synovial fluid, milk, etc. (includes total protein)	As per sample	1

Haematology

Test	Sample type	Time (days)
Complete blood count (CBC)	Whole blood	1
Fibrinogen	Whole blood	1



PCR tests

Test*	Sample type	Time (days)
Equine herpes virus 1 (EHV-1)	Nasal swab	2-3
Equine herpes virus 4 (EHV-4)	Nasal swab	2-3
Equine Infectious Anaemia (EIA)	Whole blood	2-3
Equine Viral Arteritis (EVA)	Semen or whole blood	2-3
Equine Influenza (E Flu)	Nasal swab	2-3
<i>Leptospiriosis</i>	Whole blood or urine	2-3
Piroplasmosis (<i>Babesia and Theleiria</i>)	Whole blood	1
<i>Rhodococcus equi</i>	Nasal or faecal swab	2-3
Rotavirus A	Faeces	2-3
<i>Salmonella species</i>	Faeces	2-3
<i>Taylorella equigenitalis</i> (CEM)	Genital swab	2-3
<i>Streptococcus equi</i> (Strangles)	Nasal or abscess swab	2-3
West Nile Virus (WNV)	Whole blood or CSF	2-3

*These bacteriology and virology tests use the latest Polymerase Chain Reaction (PCR) technology to produce quick and accurate results.

The normal lead time is 2-3 days but if you require a rapid same-day result a surcharge applies.

For urgent PCR samples please telephone ahead of submission.

A price reduction is available for a batch of 6 samples submitted at the same time — these can be for different PCR tests.



Hormones

Test	Sample type	Time (days)
ACTH	Whole blood	1
Cortisol	Serum	1
Insulin	Serum	1
Progesterone	Serum	1
Testosterone	Serum	1
Triiodothyronine (T3)	Serum	1
Thyroxine (T4)	Serum	1

Andrology

Test	Sample type	Time (days)
Semen collection and analysis of stallion semen (sperm concentration, live-dead ratio, sperm morphology)	Semen	1
Sperm longevity tests (in addition to above)	Semen	3

Stallions can be trained to mount a dummy mare and have their semen collected into an artificial vagina for evaluation. Please contact Sharjah Equine Hospital to enquire further.

Histopathology

Test	Sample type	Time (days)
<i>Tissue processing, blocking, sectioning and H&E staining. Slides are scanned and read remotely by an equine pathologist at Rossdale Laboratory in the UK.</i>	Fixed tissue	7

Tissue should be fixed in 10% buffered formalin with 10X the volume of fixative to tissue. Please try and cut small representative pieces for fixing. Please contact the Laboratory if you need further advice on sending tissue for histopathology.



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Conditions

1. All samples submitted for testing and analysis should be accompanied by a completed Sample Submission Form. These can be downloaded and printed from the Sharjah Equine Hospital website (www.seh.ae)
2. Results will be emailed as soon as known (or can be reported by telephone if requested) to the person named on the Sample Submission Form.
3. If it is deemed necessary to seek further laboratory expertise to acquire the most accurate diagnosis, the reasons behind such a decision and the likely additional costs, will be discussed with the referring veterinary surgeon or client before any action is taken.
4. Clients are most welcome to discuss by telephone any findings made on any sample submitted with the relevant expert veterinary clinician and/or scientists employed as Sharjah Equine Hospital. There is no charge for this service. In each case the client should telephone Sharjah Equine Hospital (050 727 1602) during office hours and they will be directed to the most appropriate advisor.
5. Invoices will be sent monthly and prompt payment is requested. Non-payment beyond 2 months after submission of an invoice will preclude further analyses or work for that particular individual.



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