

Veterinary Diagnostic Laboratory

1600 S 16th St
Ames, IA 50011
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Laboratory Use Only

Case no. _____

VDL Vet _____

Submitter _____

Clinic _____

Address _____

City, state, zip _____

Phone _____ Fax _____

Email _____

Owner _____

Address _____

City, State, Zip _____

Report results by: Email Phone Fax

Third-party billing _____

Sample type serum/plasma blood liver kidney stomach/rumen contents
 ocular fluid feed water other _____

Species _____ Breed _____

Age _____ Weight _____

Sample ID _____ *list multiple samples on reverse side*

History

Anions Sulfate Nitrate/Nitrite

Antibiotics Ampicillin Tetracycline
 Penicillin G Tylosin
 Oxytetracycline Virginiamycin
 Chlortetracycline *Other antibiotics available, see reverse side*

Anticoagulants includes: brodifacoum, bromodiolone, chlorophacinone, diphacinone, difenacoum, difethialone, warfarin

Bone Profile includes: ash, density, Ca, P

Canine CNS panel panel includes: 4-aminopyridine, caffeine, nicotine, strychnine

Carbon monoxide

Cholinesterase brain whole blood

Cyanide

Ergot alkaloids panel includes: ergovaline, ergosine, ergotamine, ergocornine, ergocryptine, and ergocristine

Ethylene glycol

GC/MS toxicant screen *see reverse side*

Heavy Metal panels blood: includes As, Cd, Pb, Hg
Individual metals Arsenic Mercury Lead

Ionophore screen includes: lasalocid, monensin, narasin, salinomycin

Individual _____ Expected Concentration _____

Moisture - percent loss on drying

Mycotoxins LC/MS (screen see reverse side)

Individual LC/MS individual _____
 Aflatoxin M1 milk liver

Toxic Element Panel (*see reverse side*)
 Liver Other _____
 Feed

Pesticides Carbamate panel *see reve*
 Chlorinated hydrocarbon panel
 Organophosphates panel

Trace Minerals by ICPMS

Panels serum/water: Ca, Cu, Fe, K, Mg, Mn, Mo, P, Se, Zn
 feed: Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, P, Se, Zn
 tissue: Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, P, Se, Zn

Individual minerals
 Ca Cd Cu Fe K Mg
 Mn Mo Na P Se Zn

Vitamins Vitamin A Vitamin D Vitamin E
 serum/plasma liver feed

Expected feed level _____

Water Quality panel - for livestock suitability
 includes: nitrate, TDS, sulfates, coliforms

Other _____

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Antibiotics: The Toxicology/Nutrition lab has the analytical expertise and equipment to perform analysis on many antibiotics/antimicrobials not listed on this page. Contact the lab for pricing and availability.

GC/MS toxicant screen: The Gas Chromatography/Mass Spectroscopy (GC/MS) screen offers the possibility of using libraries of mass spectra of more than 200,000 compounds. The GC/MS screen is capable of detecting organochlorines, organophosphates, carbamates, aliphatic hydrocarbons, industrial pollutants, disinfectants, antioxidants, miscellaneous pesticides, polycyclic aromatics, alkyl benzenes, some natural products, vitamins and some drugs. If the matrix of interest is not listed please contact the lab for further information.

Mycotoxin LC/MS/MS: Aflatoxin B1, B2, G1, G2, Fumonisin B1, B2, B3, Nivalenol, Ochratoxin, T2, Vomitoxin, Zearalenol, Zearalenone.

Pesticide panels:
Carbamates includes: Baygon, Bux, Carbaryl, Furadan, Landrin 2,3,5 and Landrin 3,4,5, Lannate, Sulfone, Temik, Zectran

Chlorinated hydrocarbons includes: Aldrin, alpha-BHC, Chlordane, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Heptachlor Epoxide, Heptachlor, Hexachlorobenzene, Lindane, Methoxychlor, Mirex, op DDD, op DDE, op DDT, ppp DDD, pp DDE, pp DDT, Toxaphene

Organophosphates includes: Carbophenothion, Chlorpyrifos, Ciodrin, Coumaphos, Counter, DDVP, Diazinon, Dimethoate, Di-syston, Dyfonate, EPN, Ethyl Parathion, Famphur, Fenthion, Isofenphos, Malathion, Methyl Parathion, Mevinphos, Mocap, Ronnel, Ruelene, Thimet

Toxic Element Panel (21 element panel):

Tissue includes: As, Ba, B, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, P, Pb, Sb, Se, Ti, Zn
Note: Results in ppm will not be quantified below the following cut-offs As, Ba, Cd, Co, Cr, Pb <0.5, B, Sb <1.0, Hg, Se <2.0, TI <2

Animal ID	Tests requested	Animal ID	Tests requested