

Toxicant (test)	Specimen	Quantity (n	Preservation	Comments
Aflatoxin	Kidney	50 g	Frozen	
	Feedstuffs	200 g	Dry	
4-aminopyridine	Bait, ingesta	50 g	Frozen	see alkaloid screen
Anticoagulants	Bait, feed, or liver	50 g	Frozen	
	Blood	10 ml	Iced	
Barbiturates	Ingesta	50 g	Frozen	
	Liver	50 g	Frozen	
	Urine	20 ml	Frozen	
1080	Ingesta	50 g	Frozen	
	Kidney	50 g	Frozen	
Arsenic	Bait, feed, kidney or liver	50 g	Frozen	see Tox Element screen
Carbamates	Ingesta, bait	50 g	Frozen	see Cholinesterase
Cholinesterase	Blood	5 ml	Frozen	
	Brain	10 g	Frozen	
Chlorinated hydrocarbons	Brain, liver, kidney	50 g	Frozen	
Cobalt	Blood	5 ml	Frozen	
Copper	Liver, kidney	50 g	Frozen	see Tox/Trace Element screens
	Serum	5 ml	Frozen	
Cyanide	Forage, rumen	50 g	Frozen, airtight container	
Delphinium alkaloids	Rumen	50 g	Frozen	
Ethylene glycol	Bait, kidney	50 g	Frozen	also fixed kidney for histopath
	Urine	20 ml	Frozen	
Glutathione peroxidase	Blood	5 ml	Iced	
Ionophores (monensin, etc.)	Feedstuffs	200 g	Dry	
Lead	Blood	5 ml	Iced	
	Liver, kidney	50 g	Frozen	
	Environmental samples	call	call	
Magnesium	Serum, aqueous humor	1 ml	Frozen	
Mercury	Blood, urine	10 ml	Frozen	
	Kidney	50 g	Frozen	
Mycotoxins (aflatoxin, ochratoxin, T-2, DAS, citrinin, vomitoxin, zearalenone)	Feed	50 g	Dry	Larger samples are better
	Forage	200 g	Dry	
Nitrate	Aqueous humor	1 ml	Frozen	Preferable
	Serum	1 ml	Frozen, NaF	
	Water	20 ml	Frozen, NaF	
	Liver, ingesta, bait	50 g	Frozen	see also Cholinesterase
Organophosphates	Liver, lung, kidney	50 g	Frozen	
	Urine	10 ml	Frozen	
Paraquat	Bait	50 g	Frozen	
	Brain	50 g	Frozen	
	CSF, Aqueous humor	1 ml	Frozen	
Salt (Na+ ion)	Feedstuffs	200 g	Dry	
	Blood	5 ml	Iced	
	Liver	50 g	Frozen	
	Hair	50 g	Dry	
Selenium	Feedstuffs	200 g	Dry	
	Urine	20 ml	Frozen	see alkaloid screen
	Liver, ingesta, bait	50 g	Frozen	
Toxic Element Screen (As, Ba, Bi, Cd, Co, Cr, Cu, Fe, Hg, Mg, Mn, Ni, Mo, Pb, Se, Tl, V, Zn)	Liver, forage	50 g	Frozen	
	Serum	5 ml	Frozen	

Trace Element Screen (Cu, Fe, Mo, Mn, Zn)	Liver, forage	50 g	Frozen	
	Serum	5 ml	Frozen	
Vitamin A	Liver	50 g	Frozen	
Vitamin A&E	Serum	5 ml	Frozen	
Vitamin E	Liver	50 g	Frozen	
Zinc Phosphide	Ingesta, bait	50 g	Frozen	Essential that sample be frozen immediately in airtight container.