

Residue Biochemical Testing Capability

The Residue Biochemical Unit, within the Veterinary Services Diagnostic Laboratory (VSDL), offers an array of comprehensive tests that are required for the safe consumption of meat and seafood products. These quantitative analyses seek to identify food producing animals and meat products that surpass the maximum drug residue limits. The presence of prohibited substances, veterinary drugs, feed additives, pesticides, heavy metals, mycotoxins and other contaminants has the potential of restricting entry of meat products into local and international food markets.

The tests done at the VSDL and the cost per sample are listed below. Please note that the costs are reviewed regularly and may change without prior notice.

TEST TYPES		MATRICES	COST*
Heavy Metals	Lead	Bovine Porcine Caprine Avian Fish Shellfish**	\$750
	Cadmium		
	Copper		
	Iron		
	Cobalt		
	Zinc		
	Sodium		
Pesticides (Organochlorides)	Aldrin	Bovine Porcine Caprine Avian Fish Shellfish**	\$1500
	Dieldrin		
	Endrin		
	Heptachlor epoxide		
	Benzene hexachloride (BHC)		
	Dichlorodiphenyldichloroethane(DDD)		
	Dichlorodiphenyldichloroethylene (DDE)		
Dichloro-Diphenyl-Trichloroethane(DDT)			
Pesticides (Organophosphates)	Diazinon	Bovine Porcine Caprine Avian Fish Shellfish**	\$1500
	Fenitrothion		
	Malathion		
	Parathion		
	Carbaryl		
Antibiotics	Penicillin	Bovine Porcine Caprine Avian Fish Shellfish**	\$1000 (ELISA) \$350 (MIA)
	Tetracycline		
	Macrolide		
	Aminoglucides		
	Sulphonamide		
Biotoxins	Amnesic Shellfish Poison (ASP)	Shellfish **	\$2000
	Paralytic Shellfish Poison (PSP)	Shellfish**	\$3300
	Lipophilic Toxins (including DSP)	Shellfish**	\$3300

** Cost quoted per sample

** Shellfish includes lobster, shrimp and conch