	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT
	DOCUMENT CODE: UPM/FPV/VLSU/G003


VLSU FEE SHEDULE

BACTERIOLOGY

NO	EXAMINATION/TEST	FEE
1	Bacterial isolation and identification	36.00
2	Special culture and identification (<i>Anaerobes</i>)	60.00
3	Special culture and identification (<i>Leptospira</i>)	60.00
4	Special culture and identification (<i>Brucella</i>)	60.00
5	Fungal culture and identification	12.00
6	Antibiotic Sensitivity Test *one organism (for a maximum of 6 antibiotics)	19.00
7	Microscopic agglutination test (MAT)	36.00
8	Polymerase chain reaction (PCR) for <i>Leptospira</i>	120.00
9	PCR for any bacteria	120.00
10	Routine smear and wet mount examination * Fungus	24.00
11	Routine smear and special staining (Acid fast, modified Ziehl Neelson, Methylene blue, Wright's, McFadyean, Gram, Dienes)	12.00
12	Special culture and identification-upon request (eg. <i>Mycoplasma</i> , <i>Mycobacterium</i> , <i>Campylobacter</i> , <i>Listeria</i>)	70.00
13	Bacterial counts in meat, milk, egg, water and feed	
	a) standard plate count (SPC)	24.00
	b) coliform plate count (CFC)	30.00
14	Rose Bengal Plate Test (RBPT)	7.00
15	Freeze Drying	250.00

BIOLOGICS

NO	EXAMINATION/TEST	FEE (RM)
1	RT-PCR for Avian Influenza Virus (AIV) Detection	107.20
2	RT-PCR for Infectious Bronchitis Virus (IBV) Detection	107.20
3	RT-PCR for Infectious Bursa Disease Virus (IBDV) Detection	107.20
4	RT-PCR for Newcastle Disease Virus (NDV) Detection	107.20
5	PCR for <i>DNA Sexing</i>	101.52

	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT DOCUMENT CODE: UPM/FPV/VLSU/G003
	VLSU FEE SHEDULE

VIROLOGY

NO	EXAMINATION/TEST	FEE (RM)
1	Tissue Culture Diagnosis	250.40
2	Egg Inoculation Diagnosis	99.20
3	HA & HI Test	5.60
4	Virus Neutralisation Test	19.20
5	AGPT	6.70
6	ELISA	5.60-12.60
7	PCR	101.50
8	Reverse Transcriptase PCR	107.20

ANIMAL RESOURCES


NO	EXAMINATION/TEST	FEE (RM)
1	Rat (Sprague Dawley)	22.00
2	Mice (ICR & Balb C)	25.00
3	Rabbit (New Zealand White)	150.00

POST MORTEM

NO	EXAMINATION/TEST	FEE (RM)
1	Cat, Dog, Sheep, Goat, Pigs, Rabbits, Poultry and other small sized animals (Post Mortem only)	55.20
2	Horses, Cattle, Buffaloes and other large sized animals (Post Mortem only)	237.80
3	Consultation	59.50


HISTOPATHOLOGY

NO	EXAMINATION/TEST	FEE (RM)
1	Special Staining	37.80
2	Immunohistochemistry	47.60
3	Biopsy : (with histopathology; less than 3 specimens) All species	26.00
4	Consultation	59.50

	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT
	DOCUMENT CODE: UPM/FPV/VLSU/G003
VLSU FEE SHEDULE	

PARASITOLOGY


NO	EXAMINATION/TEST	FEE (RM)
	Blood Examination	
1	Direct wet mount	10.00
2	Thin/thick blood film	26.00
3	For each test : Knott's, HCT	31.00
4	Faecal Examination	
	For each test: Simple floatation, Modified McMaster, Formal-ether sedimentation, Sedimentation	26.00
5	Direct wet mount	10.00
6	Faecal culture	41.00
7	Faecal smear & staining	31.00
8	Organ	
	For each test Impression smears, Direct examination, Squash smear, Scraping (intestine) + simple floatation + direct wet mount + staining	31.00
9	Small ruminant (TWC)	41.00
10	Large ruminant (TWC)	52.00
11	Identification : Domestic animals	
	For each test Arthropods, Helminths	52.00
12	Identification : Wildlife	
	For each test Arthropods, Helminths	258.00
13	PCR Diagnostic	120.00

	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT
	DOCUMENT CODE: UPM/FPV/VLSU/G003

VLSU FEE SHEDULE


AKUATIK

NO	EXAMINATION/TEST	FEE
1	Post mortem	11.80
2	Parasitology (endo & ecto parasite)	17.20
3	Bacteriology	
	(a) API 20E System	95.90
	(b) BBL Crystal	95.90
	(c) Gram staining	13.00
4	Antibiotic Sensitivity Test	27.00
5	Media Bacteria (TSA,NA)	11.80
6	Virology test (PCR)	
	(a) KHV (Conventional)	110.00
	(b) KHV (Portable realtime PCR)	110.00
	(c) Iridovirus (Conventional)	110.00
	(d) Iridovirus (Portable realtime PCR)	110.00
	(e) SVC,VNN (Conventional)	110.00
	(f) SVC,VNN (Portable realtime PCR)	110.00
7	Mycology	26.00
8	Histopathology:	
	(a) Slide preparation (less than 3 specimens)	23.80
	(b) Slide Reading	23.80
	(c) May-Grunwald + Giemsa staining	11.80
9	Water quality:	
	(a) Ammonia	11.80
	(b) Nitrite/nitrate	11.80
	(c) Chlorine	11.80
	(d) Water hardness	11.80
	(e) Alkalinity	11.80
	(f) Salinity	5.40
	(g) Temperature	5.40
	(h) pH	5.40
	(i) Oxygen	5.40
	(j) Formalin	50.00

	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT
	DOCUMENT CODE: UPM/FPV/VLSU/G003
VLSU FEE SHEDULE	

HAEMATOLOGY & CLINICAL BIOCHEMISTRY

NO	EXAMINATION/TEST	FEE (RM)
	Biochemistry	
1	Individual test: Amylase, Albumin (A), Alkaline Phosphatase (ALP), Total Bilirubin (TB), Direct (Conjugated) Bilirubin, Calcium (Ca), Cholestrol (Chol), Creatinine, Gamma-Glutamyl transferase (GGT), Glucose, Aspartate Aminotransferase (AST), Alanine Aminotransferase (ALT), Phosphate (P), Triglycerides (TGL), Total Protein (TP), Albumin (A), Urea, Sodium (Na), Potassium (K), Chloride (Cl), High-Density Lipoprotein (HDL), Low-Density Lipoprotein (LDL).	10.20
2	For each test : Indirect (Unconjugated) Bilirubin = TB - Direct Bilirubin, Globulin (G) = TP - A	-
3	Creatine Kinase (CK)	12.80
4	For each test: Lactate, Lactate Dehydrogenase (LDH), Lipase, Uric Acid (UA).	18.40
5	Large Animal Biochemistry Panel: Sodium (Na), Potassium (K), Chloride (Cl), Urea, Creatinine, Calcium (Ca), Phosphate (P), Total Protein (TP), Albumin (A), [Globulin (G) = TP - A], Glucose, Aspartate Aminotransferase (AST), Gamma-Glutamyl transferase (GGT), Alkaline Phosphatase (ALP), Creatine Kinase (CK), Total Bilirubin (TB), Direct (Conjugated) Bilirubin, [Indirect (Unconjugated) Bilirubin = TB - Direct Bilirubin].	132.60
6	Large Animal Liver Panel: Gamma-Glutamyl transferase (GGT), Aspartate aminotransferase (AST), Total Protein (TP), Albumin (A), [Globulin (G) = TP - A], Total Bilirubin (TB), Direct (Conjugated) Bilirubin, [Indirect (Unconjugated) Bilirubin = TB - Direct Bilirubin].	49.00
7	Large Animal Renal Panel: Urea, Creatinine, Sodium (Na), Potassium (K), Chloride (Cl), Phosphate (P), Total Protein (TP), Albumin (A), [Globulin (G) = TP - A].	65.30
8	Small Animal Biochemistry Panel: Sodium (Na), Potassium (K), Chloride (Cl), Calcium (Ca), Phosphate (P), Urea, Creatinine, Total Protein (TP), Albumin (A), [Globulin (G) = TP - A], Glucose, Alanine amino transferase (ALT), Aspartate Aminotransferase (AST), Alkaline Phosphatase (AP), Gamma-Glutamyl transferase (GGT), Creatine Kinase (CK), Total Bilirubin (TB), Direct (Conjugated) Bilirubin, [Indirect (Unconjugated) Bilirubin = TB - Direct Bilirubin].	140.80

	FACULTY OF VETERINARY MEDICINE VETERINARY LABORATORY SERVICES UNIT
	DOCUMENT CODE: UPM/FPV/VLSU/G003

VLSU FEE SHEDULE

NO	EXAMINATION/TEST	FEE (RM)
9	Small Animal Liver Panel: Alanine Aminotransferase (ALT), Aspartate Aminotransferase (AST), Alkaline Phosphatase (ALP), Total Protein (TP), Albumin (A), [Globulin (G) = TP - A], Total Bilirubin (TB), Direct (Conjugated) Bilirubin, [Indirect (Unconjugated) Bilirubin = TB - Direct Bilirubin].	57.10
10	Small Animal Renal Panel: Urea, Creatinine, Phosphate (P), Sodium (Na), Potassium (K), Chloride (Cl), Total Protein (TP), Albumin (A), [Globulin (G) = TP - A].	65.30
11	Total Protein Panel: Total Protein (TP), Albumin (A), [Globulin (G) = TP - A]	16.30
12	Lipid Profile: Cholesterol (Chol), Triglyceride (TGL), High-Density Lipoprotein (HDL), Low-Density Lipoprotein (LDL)	32.60
	Coagulation	
13	For each test : Prothrombin Time (PT) & Activated Partial Thromboplastin Time (APTT)	18.40
14	Fibrinogen	11.80
	Cross Matching	
15	1 Recipient 1 Donor, 2 Donors	23.80
16	1 Recipient 3 Donors, 4 Donors	47.60
	Haematology : Full Blood Count Analyzer	
17	a. ABC Vet-3 part diff	30.20
18	b. Siemens Advia 2120i-5 part diff	30.20
19	c. Avian/Reptile	40.00
	Haematology : Individual Test	
20	Haematocrit (PCV) & Plasma Protein	11.80
21	Leukocyte (WBC) & 5 part differential count	23.80
22	Blood Smear Examination	20.70
23	Reticulocyte count	9.80
	Fecal Examination	
24	For each test : Occult Blood, Fecal Trypsin Malabsorption	18.40
25	Urine FEME	16.00
26	Chemical-Dipstick	9.80
27	Microscopy	11.80
	Cytology	
28	Chemical-Dipstick & Microscopy	47.60
29	Microscopy (1-5 slides)	35.60
30	Microscopy (>5 slides)	11.80