



Haematology & Serum Biochemistry Testing on Animals at Pushpagiri Laboratory Animal Facility

*(Laboratory Animal Research Facility,
Pushpagiri Institute of Medical Sciences and Research Centre)*

ACCURATE

RELIABLE

COST EFFECTIVE

Advanced diagnostic testing solutions to support veterinary treatment, research, and clinical decision making are now available

at LARF PIMS & RC (Laboratory Animal Research Facility, Pushpagiri Institute of Medical Sciences and Research Centre).

A. Haematology Testing *TS 40 Vet Haematology Analyser (3 Part Differential)*



Parameters Measured:

WBC, LYM, MID, GRAN, RBC, HGB, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCC, P_LCR with Histograms for WBC, RBC & PLT

Species Supported:

Dog, Cat, Horse, Pig, Cow, Buffalo, Rabbit, Monkey, Rat, Mouse, Sheep, Goat, Camel

Cost per Test: ₹300/-

B. Serum Biochemistry Testing *(MSc 100V Pushkang – Serum Analyser)*



Species Supported:
Dog, Cat, Rat, Rabbit,
Pig, Monkey, Horse,
Cow, Sheep, Lizard,
Tortoise

Cost per Test:
₹850/-

AVAILABLE TEST OPTIONS

Test no	Test name	Items measured
1.	Veterinary Electrolyte	K+, Na+, Cl-, tCO2, Mg2+, Ca2+, PHOS
2.	Veterinary Liver Function	TP, ALB, ALT, AST, GGT, TBIL, DBIL, ALP, GLO, ALB/GLB, IBIL
3.	Veterinary Health Check	TP, ALB, TBIL, ALT, ALP, CREA, UREA, CK, AMY, GLU, TC, Ca2+, PHOS, GLO, ALB/GLB, UREA/CRE
4.	Veterinary Kidney	ALB, UREA, CREA, tCO2, Ca2+, PHOS, UREA/CRE
5.	Veterinary Preoperative Diagnosis	TP, ALT, AST, CREA, UREA, CK, GLU, LDH, UREA/CRE
6.	Veterinary Intensive Care	ALT, CREA, UREA, GLU, tCO2, K+, Na+, Cl-, UREA/CRE
7.	Veterinary General Chemistry	TP, ALB, ALT, AST, GGT, ALP, TBIL, TBA, CREA, UREA, CK, AMY, GLU, TC, Ca2+, PHOS, tCO2, DBIL, GLO, ALB/GLB, AST/ALT, UREA/CRE, IBIL
8.	Veterinary Liver Function	TP, ALB, ALT, AST, GGT, ALP, TBIL, TBA, CK, TG, TC, DBIL, LDH, GLO, ALB/GLB, AST/ALT, IBIL
9.	Veterinary Liver & Kidney	TP, ALB, ALT, AST, GGT, TBIL, CREA, UREA, GLU, GLO, ALB/GLB, AST/ALT, UREA/CRE
10.	Veterinary Preoperative Diagnosis	TP, ALB, ALT, AST, ALP, CREA, UREA, CK, GLU, LDH, CK-MB, GLO, ALB/GLB, AST/ALT, UREA/CRE
11.	Veterinary Canine Inflammation	CREA, UREA, AMY, LPS, CRP, UREA/CRE
12.	Veterinary Diabetes	GLU, TG, TC, FRU(GSP)
13.	Veterinary Coagulation (Option A)	PT/INR, APTT, TT, FIB (SODIUM CITRATE)
14.	Veterinary Coagulation (Option B)	PT, APTT (SODIUM CITRATE)

Required Documentation

For Research: Approved Form B Certificate with blood analysis permission

For Treatment: Request letter from Registered Veterinarian (KSVC No.)

Why Choose Us?

Wide species coverage
Affordable and transparent pricing
Reliable analysers & standardized protocols
Suitable for both clinical & research applications

Contact Us:

Dr Ampadi A N

Veterinary Officer PIMS & RC

Ph: 8921667742

Mail to us: iaec@pimsr.edu.in



PUSHPAGIRI RESEARCH CENTRE

TIRUVALLA, KERALA

ABOUT US

Pushpagiri Research Centre, known as PRC was established in 2010 and serves as the Central Research Facility to various institutions under Pushpagiri Medical Society, featuring multifaceted and multidimensional research laboratories which have all the facilities for conducting transdisciplinary biomedical research.

The cell culture facility of PRC is well equipped with instruments for performing various cellular assays. This include subculturing and maintenance of various cell lines, cytotoxicity studies, differential stainings and protein expression studies

FACILITIES PROVIDED

- **Cytotoxicity Assay**
- **Scratch Assay**
- **Differential Stainings**
- **Immunocytochemistry / Immunofluorescence**
- **ELISA**

CHARGES FOR CELL CULTURE ASSAYS

ASSAY	Faculty/ Students from institutions under Pushpagiri Medical Society	Faculty /Students from other Institutions
Cytotoxicity Assay (3 doses) Concentration Based	2000/ Sample	2500/ sample
Cytotoxicity Assay (5 doses) Concentration Based	2500/Sample	3000/ Sample
Scratch Assay	1000/Sample	1500/ Sample
Differential Stainings	Price on Request	Price on Request
Immunocytochemistry / Immunofluorescence	Price on Request	Price on Request
ELISA	Price on Request	Price on Request



CONTACT PERSON

Dr. Ajay Krishnan U

Scientist

Molecular Biology Laboratory

Mobile: +91 70127 85182

Email: dr.ajaykrishnanu@pimsrc.edu.in

Dr. Soumya R.S

Scientist

Cytogenetics and Biochemistry Laboratory

Mobile: +91 94961 03227

Email: drsoumyars@pimsrc.edu.in



PUSHPAGIRI RESEARCH CENTRE

TIRUVALLA, KERALA

ABOUT US

Pushpagiri Research Centre, known as PRC was established in 2010 and serves as the Central Research Facility to various institutions under Pushpagiri Medical Society, featuring multifaceted and multidimensional research laboratories which have all the facilities for conducting transdisciplinary biomedical research.

The cell culture facility of PRC is well equipped with instruments for performing various cellular assays. This include subculturing and maintenance of various cell lines, cytotoxicity studies, differential stainings and protein expression studies

FACILITIES PROVIDED

- **Cytotoxicity Assay**
- **Scratch Assay**
- **Differential Stainings**
- **Immunocytochemistry / Immunofluorescence**
- **ELISA**

CHARGES FOR CELL CULTURE ASSAYS

ASSAY	Faculty/ Students from institutions under Pushpagiri Medical Society	Faculty /Students from other Institutions
Cytotoxicity Assay (3 doses) Concentration Based	2000/ Sample	2500/ sample
Cytotoxicity Assay (5 doses) Concentration Based	2500/Sample	3000/ Sample
Scratch Assay	1000/Sample	1500/ Sample
Differential Stainings	Price on Request	Price on Request
Immunocytochemistry / Immunofluorescence	Price on Request	Price on Request
ELISA	Price on Request	Price on Request



CONTACT PERSON

Dr. Ajay Krishnan U

Scientist

Molecular Biology Laboratory

Mobile: +91 70127 85182

Email: dr.ajaykrishnanu@pimsrc.edu.in

Dr. Soumya R.S

Scientist

Cytogenetics and Biochemistry Laboratory

Mobile: +91 94961 03227

Email: drsoumyars@pimsrc.edu.in



PUSHPAGIRI RESEARCH CENTRE

TIRUVALLA, KERALA



ANALYTICAL FACILITIES

HPLC

The Shimadzu LC-2010CHT is an integrated, automated High-Performance Liquid Chromatography (HPLC) system designed for high-throughput laboratory analysis, featuring a compact design with essential modules like a pump, autosampler (with cooler), degasser, column oven, and UV-Vis detector, ideal for pharmaceutical and general chemistry labs needing validated data and efficient operations under GLP/GMP guidelines



UV-VIS Spectrophotometer

The BioMate 160 Spectrophotometer offers pre-programmed assay methods for nucleic acid and protein concentration as well as routine UV-Visible measurements in the wavelength range of 300–1100 nm. Optimized for usability and performance, this platform features a high-resolution color touchscreen, optional Wi-Fi networking, and a rugged design.



INSTITUTE	INSTRUMENTS	CHARGES FOR STUDENTS/OUTSIDERS	CHARGES FOR INDUSTRIES
Pushpagiri Research Centre	HPLC	400 + solvent charges (per sample)	3600 (per sample)
	UV-VS spectroscopy	100 (per sample)	350 (per sample)

CONTACT PERSON

Dr. Soumya R.S

Scientist
Cytogenetics and Biochemistry
Laboratory

+91 9496103227

drsoumyars@pimsrc.edu.in

LYOPHILIZER SERVICES (PRC)

PUSHPAGIRI

WOMEN'S COLLEGE HOSPITAL

PRC

SINCE 2010



Martin Chris Germany Lyophilizer

- Model: Alpha 1-2 LSC Basic equipped with Edwards nXDS Dry Scroll Pumps – High Vac Depot
- Performance: 2 kg / 24 hours
- Ice Capacity: 2.5 kg
- Ice Condenser Capacity: 3.5 Liters
- Ice Condenser Temperature: -55 deg C
- Equipped Defrosting Facility
- Kept in the HEPA filter clean room (sterile facility)
- Vacuum seal facility with oxygen/LPG torch
- Rotary evaporator facility for sample concentration

Tariff for Usage of Lyophilizer

- First Slot
 - 4 ports: INR 5500/- for 24 hrs
- Second Slot
 - 8 ports: INR 7500/- for 24 hrs
- Trays
 - 1 or 3 trays: INR 8500/- for 24 hrs
- Speed-vac
 - 1 or 24: INR 5500/- for 12 hrs

Prerequisites

1. Samples should be processed with the rotary evaporator.
2. Samples should be stored at -80°C for at least 12 hours or 15 minutes deep in liquid nitrogen.
3. Only water solvent-based samples are allowed.

Contact Information:

Any additional information kindly contact

Dr. Nebu (Scientist @ +91-9447044726) or Dr. Aniket (Scientist @ +91-8473912790)