



BIO CYTE

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Tariff plan

Academic Year 2023-24 (implement for 1 march 2024 to 1 march 2025)

In vitro Activity

Sr no.	Analytical Parameter	Duration (days)
In vitro Anti-cancer activities		
A	Tryphan blue dye exclusion method	15
B	Cell Viability Assay by MTT	30
C	Cell Viability Assay by SRB	30
D	Cell Viability Assay by XTT	30
E	Cell Viability Assay by WST	30
F	Cytotoxic Evolution In Neutrophils By Cell Morphology	30
G	Cell Viability Assay by Crystal	30
In vitro Apoptosis Determination		
A	Apoptosis determination by AO/EB Staining Method	60
B	Apoptosis determination by DNA Fragmentation using Flow cytometry (out soure)	60
C	Apoptosis determination by DAPI Staining	60
D	Apoptosis determination in Mitochondria membrane potential change by Flowcytometry (out soure)	60
E	Apoptosis determination in Mitochondria membrane potential change by confocal microscope	60
F	Apoptosis determination by H&E Staining Method	60
G	Apoptosis determination by Giemsa Staining Method	60
H	Apoptosis determination by Hoechst Staining Method	60
I	Apoptosis determination by Maygruwalds Regent Staining Method	60
J	Apoptosis determination by Gel Electrophoresis	60
In vitro Brine shrimp lethality assay (cytotoxicity assay)		
A	By 3 X magnifying glass method	
B	By 24 well method	
In vitro Antioxidant activities		
A	Antioxidant activity By DPPH (2,2-diphenyl-1-picrylhydrazyl) A) 96 well method B) By spectroscopy method	15
B	Antioxidant activity By Nitric Oxide scavengingactivity	15
C	Antioxidant activity By ABTS (2,2'-azino-bis-(3-ethylbenzothiazoline-6-sulfonic) acid)	30
D	Antioxidant activity By Superoxide scavenging activity	15
E	Antioxidant activity By FRAP Assay	15
F	Antioxidant activity By Reducing power	15

	In vivo Antioxidant activities Enzymes From Tissue	
A	In vivo Antioxidant activities of Superoxide (SOD)	5
B	In vivo Antioxidant activities of CATA LASE	5
C	In vivo Antioxidant activities of GSH (Glutathione)	5
D	In vivo Antioxidant activities of LPO	5
E	In vivo Antioxidant activities of TP (Total Protein)	5
F	In vivo Antioxidant activities of Glutathione Peroxidase	5
	Non Enzymatic Antioxidant	
A	Estimation of Vitamin C	5
B	Estimation of SOD	5
C	Estimation of TBA	5
D	Estimation of OH radical	5
	In vitro Antidiabetic activities	
A	Antidiabetic activity by Alpha amylase inhibitory Assay	15
B	Antidiabetic activity By Anti-glycation Method	07
C	Antidiabetic activity By glucose uptake Assay	15
D	Antidiabetic activity By Glucosidase inhibition Method	15
E	Antidiabetic activity dialysis method	--
F	Antidiabetic activity Glucose Binding Assay	--
	In vitro Anti-inflammatory activity	
A	Anti-inflammatory activity By protein denaturation Method	15
B	Anti-inflammatory activity By Membrane Stabilizing Activity	15
C	Anti-inflammatory activity By heat Induced hemolytic Method	15
D	Anti-inflammatory activity By Bovine Albumin Fraction Method	15
E	Anti-inflammatory activity By Trypsin Inhibitory assay BY BSA	15
F	Anti-inflammatory activity By Proteinase inhibition By Using Casein	15
G	Anti-inflammatory activity on cell line	15
	In vitro Anti-Malaria activity	
A	Assay of Beta Hematin formation inhibition by UV	30
B	Assay of Beta Hematin formation inhibition by IR	30
	In vitro Antimicrobial activity	
A	Antimicrobial activity by Agar well method	15
B	Antimicrobial activity by Disc Diffusion	15
C	Antimicrobial activity by MIC (Minimum Inhibitory Concentration)	15
E	Antimicrobial activity by Anti-biofilm method by 96 wellplate method	15
F	Antifungal Activity by Agar well method	15
G	Antifungal Activity by Disc Diffusion)	15
H	Biochemical Test for Microorganisms	30
11	In vitro anti-obesity activity	
A	Lipase inhibition assay	30
B	In vitro cholesterol Inhibition assay	30
12	In vitro Anti-urolithiasis activity	
A	COM (Crystal Aggregation assay) (Kidney stone inhibition assay)	
B	Nucleation assay	
13	In vitro Genotoxicity	
A	Antimitotic activity	
14	In vitro Anti-ulcer Activity	
A	H ⁺ K ⁺ ATPase inhibition assay	

B	Acid neutralization capacity	
C	Urease inhibition assay	
15	In vitro Immuno-Modulatory	
A	Phagocytosis assay by using <i>Cabdida albican</i>	

16	In vitro Putative Anti-HIV activity	
A	In vitro pepsin inhibition assay	30
17	In vitro Anthelmintic activity	
A	In vitro Anthelmintic activity by using <i>Pheretima Posthuma</i>	15
B	In vitro Anthelmintic activity by using <i>Eisenia fetida</i>	15
18	In vitro Scratch /Wound -Healing activity	
A	In vitro Scratch /Wound -Healing activity by using cell line	30
19	TLC	
A	Synthetic Steroid from Ayurvedic Formulation	30
B	Estimation Of Alkaloids	30
C	Estimation Of Glycosides	30
D	Estimation Of Flavonoids	30
E	Estimation Of Tannins	30
F	Estimation Of Sapiens	30
G	Estimation Of Carotenoid	30
20	Authentication of plant / drug (Herbarium sheet should be required)	15
21	Pharmacognostic evaluation	
A	TS/LS	15
B	Powder microscopy	15
22	Extraction	
A	Aqueous extraction by maceration (100 gm)	15
B	Soxhlet extraction (100gm)	15
C	Preparation of ARK / Asava/ Arishata (100 gm)	15
D	Oil separation (Essential/ Volatile) by using Clevenger's apparatus	15
22	Phytochemical screening (Minimum 10 test)	30
22a	Quantification	
A	Total phenolic content	15
B	Total tannin Content	15
C	Total Saponin content	15
D	Total flavonoid Content	15
23	Standardization of drugs	
A	Organoleptic properties (Colour, odor, taste, appearance)	10
B	Physico chemical Properties (pH, LOD, foreign matter, Saponification value, Acid insoluble ash, alcohol soluble extractives and water soluble extractives and volatile oil)	30
C	Physico chemical Properties oil or liquid (pH, foreign matter, Saponification value, Viscosity, Refractive index, Saponification value, iodine value, alcohol soluble extractives values and water soluble extractives values)	30
24	Stability evaluation by Microbiological aspects	
A	Smear Examination	30
B	Culture study *(A- Fungal Culture , B- Aerobic culture)	30
25	Plasma /Serum Estimation Parameter	

A	IL-6 estimation Kit	15
B	TNF-alpha estimation Kit	15
C	COX –I and II Inhibition Assay	15
D	Rat Adeponectin estimation Kit	
E	Human Collagen Type IV estimation Kit	15
F	Rat Resistin estimation Kit	15
G	Rat Leptin estimation Kit	15
H	Rat Erythropoietin estimation Kit	15
I	Rat transferrin estimation Kit	15
E	Lipid Peroxidation Inhibition Assay by TBARS	30
F	GPT Estimation	30
G	LFT (SGOT, SGPT, ALP, ACT)	10
H	KFT (Creatinine, Bilirubin, Urea)	10
I	Lipid profile (Cholesterol, HDL, LDL, VLDL, Triglycerides)	10
26	In vitro Antiasthmatic Activity	30
27	In vitro Alzheimer activity	
A	In vitro Alzheimer activity by using Anticholinesterase enzyme	30
B	In vitro Alzheimer activity by using Cell line	30
28	In Vitro Hepatotoxicity Study	
29	HET CAM assay	
A	In vitro angiogenesis inhibition assay	30
30	In vitro skin irritation test	30