



Biomedical Technology Wing
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TEST CHARGES (BIOLOGICAL TESTS)

(w.e.f 1st October 2022)

	Kindly note that all tests bearing the mark "Accredited" are accredited by Le Comite Francais d'Acridation (COFRAC) of France					
	Note: GST will be charged as applicable					
Sl. No.	Tests	Test Method/ Standard followed	Lab	Test Charges - External - Industry	Test Charges - External - Academic	Test Charges - TIMed/TT Licensee
1	In Vitro Cytotoxicity test	ISO 10993-5 Accredited (Medical devices)	Tissue Culture			
a	Direct contact			12400	9900	6700
b	Indirect contact			12600	10100	8800
c	Test on extract	12800		10200	9000	
d	MTT assay	Approved protocol		11700	9400	8200
2	Cell adhesion test			14500	12000	10200
a	Additional charge for control material			2500	2000	2800
3	Stereomicroscopy(per hour)			600	500	400

			Toxicology		
4	Irritation Test	ISO 10993-23USP/NF <88> Accredited (Medical devices)			
a	Intracutaneous irritation test (Rabbit) on cotton seed oil and normal saline extract		45500	36400	32000
b	Additional charge per extract (alcohol saline/PEG)		2500	2000	1800
c	Animal Irritation Test	ISO 10993 -23 Accredited (Medical devices)	45500	36400	32000
d	Vaginal Irritation Test		62000	50000	43000
e	Penile Irritation Test		65700	52600	42000
5	Acute Systemic Toxicity (Mice) Intravenous / Intraperitoneal on cotton seed oil and normal saline extract	ISO 10993 -11 USP/NF <88> Accredited (Medical devices)	43000	34000	30000
6	Sensitization Test	ISO 10993-10 Accredited (Medical devices)			
a	Closed patch method- Guinea Pig		88000	70400	61600
b	Maximization method - Guinea Pig		85000	68000	59500
7	Rabbit Pyrogen Test	ISO 10993 - 11 Accredited (Medical devices)	60000	48000	42000
8	Haemolytic property (Rabbit Blood)	ASTM 756 Accredited (Medical devices)	34000	27000	24000
9	Implantation Test	ISO 10993-6 Accredited (Medical devices)			
a	Subcutaneous Tissue				
a.1	Short Term (1 week, 4 weeks, 12 weeks)		134000	107200	93800
a.2	Long Term (12 weeks, 26 weeks, 52 weeks, 78 weeks)		Study mode	Study mode	Study mode

b	Muscle		Toxicology			
b.1	Short term (1 week, 4 weeks, 12 weeks)			134000	107200	93800
b.2	Long Term (12 weeks, 26 weeks, 52 weeks, 78 weeks)	ISO 10993-6 Accredited (Medical devices)		Study mode	Study mode	Study mode
c	Bone					
c.1	Short term(1 week, 4 weeks, 12 weeks)			200000	160000	140000
c.2	Long term (12 weeks, 26 weeks, 52 weeks, 78 weeks)			Study mode	Study mode	Study mode
10	Genotoxicity Test	ISO 10993 - 3 Accredited (Medical devices)				
a	Chromosomal aberration test			Study mode	Study mode	Study mode
b	Micronucleus test					
11	Safety test	Based on USP		45000	36000	31500
12	Gross and Histopathological Evaluation - soft tissue	Approved protocol	Histo-pathology	2000	1600	1400
13	Gross and Histopathological Evaluation - hard tissue			4000	3200	2800

14	Analysis of Blood Parameters / In vitro hemocompatibility of material		Division of Thrombosis Research	Cost per blood /PRP	Cost per blood/P RP for triplicates	Cost per blood /PRP	Cost per blood/ PRP for triplicates	Cost per blood /PRP	Cost per blood /PRP	Cost per blood/PR P for triplicates
14.1	Exposure to Whole Blood by agitation	ISO 10993 - 4 Accredited (Medical devices)		1100	3300	900	2700	800	2400	
14.2	Exposure to Platelet Rich Plasma by perfusion			1300	3900	1000	3000	900	2700	
14.3	Haematology Analysis(Leukocyte count, platelet count, RBC count)			300	1800	250	1400	200	1200	
14.4	% Haemolysis	ISO 10993 -4 Accredited (Medical devices)		600	3600	500	3000	400	2400	
14.5	Platelet Function			800	4800	700	4200	600	3600	
14.6	Platelet Activation			2800	16800	2200	13200	2000	12000	
14.6.1	P-Selectin			2800	16800	2200	13200	2000	12000	
14.6.2	ELISA			2800	16800	2200	13200	2000	12000	
14.7	Coagulation									
14.7.1	PTT			800	4800	700	4200	600	3600	
14.7.2	Fibrinogen			800	4800	700	4200	600	3600	
14.7.3	PT			800	4800	700	4200	600	3600	
14.7.4	TT		800	4800	700	4200	600	3600		
14.8	Complement Activation		2400	14400	2000	12000	1800	10800		
14.9	Material Analysis - Light Microscopy		1200	3600	1000	2900	800	2500		

15	In vitro compatibility - cell material interaction - Endothelial cell seeding / smooth muscle cell seeding	Approved protocol	Division of Thrombosis Research	6600	5300	4600
16	Flowcytometer	Approved protocol	Division of Microbial Technology	300	200	150
17	Rheology			1100	1000	900
18	Microbiological Sterility Testing	USP 71 Accredited (Medical devices)				
18.1	As per USP without antimicrobial activity			6500	5200	4600
18.2	As per USP with antimicrobial activity			11700	9400	8200
19	In vitro bacterial reverse mutation assay (Ames test)	ISO 10993 - 3 Accredited (Medical devices)				
19.1	5 strains, single concentration, one extractant			33100	26500	23200
19.2	5 strains, single concentration, two extractants			66200	53000	46300
19.3	5 strains, five concentrations, one extractants			165500	132000	115900
19.4	5 strains, five concentrations, two extractants			330700	264600	231500

20	Microbiological Testing – General Analysis	Approved protocol	Division of Microbial Technology			
20.1	Antimicrobial Activity testing					
20.1.1	Antimicrobial Activity testing by Agar Diffusion Method for two strains			2900	2300	2000
20.1.2	For each additional strain			500	350	250
20.1.3	Antimicrobial Activity testing by parallel streak method			2900	2300	2000
20.1.4	Antimicrobial Activity testing immobilized antimicrobial agents under dynamic conditions			5000	4000	3500
21	Bacterial Adhesion studies using two bacterial strains (per Test material)			4800	3800	3400
22	Air Monitoring	Approved protocol based on USP 28 NF 23		2200	1800	1500
23	Bioburden Analysis	ISO 11737-1 Accredited (Medical devices)		9800	7800	6900
24	Culture Identification per Material	Approved protocol		2200	1800	1500
25	Bacterial /Fungal /Gram staining					

26	Spore Viability Testing	Approved protocol	Division of Microbial Technology	1500	1200	1100
27	Microbial analysis of water- Faecal coliform method			2100	1700	1500
28	Identification of bacterial/viral pathogens in experimental animals by PCR			3000	2400	2100
29	Viable Count			1800	1400	1300
30	Validation of microbiological media			3600	2900	2500
31	Experimental Pathology			Approved protocol	Division of Experimental Pathology	
31.1	Necropsy	1700	1400			1200
31.2	Grossing & tissue sampling	200	150			130
31.3	Tissue processing	400	350			300
31.4	block making	200	150			130
31.5	Microtomy	200	250			130
31.6	HE staining	200	150			130
31.7	Special staining	1900	1500			1300
31.8	Qualitative microscopy/Histopathology	1500	1200			1100
31.9	Immunohistochemistry	200	1600			1400

Approved by

Head, BMTW