



Customer Service Cell
Biomedical Technology Wing
Sree Chitra Tirunal Institute for Medical Sciences & Technology
 (An Institute of National Importance under Govt. of India)
 Poojapura, Thiruvananthapuram, Kerala, INDIA – 695 012
 Tel: 91-471-2340801, 2520307; e-mail: csc@sctimst.ac.in
TEST CHARGES (CENTRAL ANALYTICAL FACILITY)

(w.e.f 20 th MAY 2026)

Note: GST will be charged as applicable

SI No	Name of the test		Test Charges External Academic	Test Charges External Industry	Test Charges TIMed/TT Licensee
Spectroscopic analysis					
1.	FTIR spectroscopic analysis	Approved Protocol	900	1100	800
2.	Qualitative UV-visible analysis in absorbance/transmittance/reflectance modes		350	400	300
3.	Colour measurement of samples		350	400	300
4.	Qualitative estimation of analytes using UV-visible absorbance analysis		700	800	600
5.	Kinetic analysis of analytes using UV-visible absorbance		700	800	600
6.	Temperature-dependent evaluation of UV-visible absorption of materials		700	800	600
7.	Fluorescence spectroscopic analysis		350	400	300
8.	Alloy analysis using a handheld X-ray fluorescence (XRF) analyser		350	400	300
9.	RoHS compliance testing of polymers using XRF		450	500	400
10.	Micro Raman spectroscopic analysis for material identification		700	800	600
11.	Raman chemical mapping using a confocal Raman microscope		1300	1700	1200

Chromatographic analysis

12.	Purity assay of samples using High-performance liquid chromatography (HPLC)	Approved Protocol	500	600	400
13.	Estimations of analytes using HPLC		1300	1700	1200
14.	Sample preparation for HPLC		1000	1000	1000
15.	Method optimization for HPLC		3900	5100	3600
16.	Gel permeation chromatography analysis		1300	1700	1200
17.	Sample preparation for GPC		1000	1000	1000
18.	Qualitative analysis using Gas chromatography (GC)		1600	2000	1400
19.	Quantitative analysis using GC		2800	3500	2500
20.	Sample preparation for GC		1000	1000	1000
21.	Method optimization for GC		8400	10500	7500
22.	Qualitative analysis using LC-MS	Approved protocol	1000	1200	800
23.	Quantitative analysis using LC-MS		4200	5250	3700
24.	Sample preparation for LC-MS		1000	1000	1000
25.	Method optimization for LC-MS		12600	15750	11100

Tests for Medical Device Evaluation

26.	Material Identification by FTIR Spectroscopy	Approved Protocol	900	1100	800
27.	Tensile Analysis of PPE/medical fabrics (Dry)		1000	1200	800
28.	Tensile Analysis of PPE/medical fabrics (Wet)		1000	1200	800
29.	Tensile Strength and Elongation of Medical Gloves (Before ageing)		1000	1200	900
30.	Tensile Strength and Elongation of Medical Gloves (After ageing)		1000	1200	900
31.	Tear Strength of PPE/medical fabrics by Trapezoidal Method		1000	1200	800
32.	Tear Strength of PPE/medical fabrics by Single Rip Procedure		1000	1200	800
33.	Synthetic Blood Penetration Test of PPE/medical fabrics		3000	3800	2700
34.	Conformability of Primary Wound Dressing		900	1100	800
35.	Water Vapor Transmission Rate of PPE/medical fabrics/flexible packages		900	1100	800
36.	Crush Resistance of Vascular Stents		1300	1500	1100
37.	Seal Strength of Barrier Package, such as Pouch/Tray		700	800	600

38.	Peel Strength of Barrier Package, such as Pouch/Tray		700	800	600
39.	Mucoadhesion /Bioadhesion Test of Adhesive Dressing		1800	2200	1600
40.	Penetration Test of needles / Plunger force for syringes		1300	1500	1100
41.	Compression Characteristics of Contact Lenses		1300	1500	1100
42.	Microneedle Compression Curve (stress-strain)		700	800	600
43.	Microneedle Deformation (compression at constant force)		350	400	300
44.	Residual Solvent analysis using GC		2800	3500	2500
45.	Residual ethylene oxide analysis (ISO 10993-7)	Approved protocol based on ISO 10993-7	4200	5000	3800
46.	Residual ethylene chlorohydrin analysis (HPLC)		1300	1700	1200
47.	Residual ethylene glycol analysis (HPLC)		1300	1700	1200
48.	Residual monomer/plasticizer analysis (HPLC)	Approved Protocol	1300	1700	1200
49.	Residual analysis of drugs or other analytes		1300	1700	1200
50.	Sample preparation for HPLC/GC		1000	1000	1000
51.	Method optimization for HPLC		3900	5100	3600
52.	Method optimization for GC		8400	10500	7500
Physicochemical and Rheological Analysis of Gels and Fluids					
53.	Viscosity and flow curve analysis using Rheometer		1000	1200	900
54.	Amplitude sweep/linear viscoelastic range (LVER) measurements using Rheometer		1000	1200	900
55.	Frequency sweep measurements using Rheometer		1000	1200	900
56.	Temperature ramp studies at a steady shear rate using Rheometer		1000	1200	900
57.	Three interval thixotropy test (3ITT) (Rot-Rot-Rot) using Rheometer	Approved Protocol	1000	1200	900
58.	Isothermal time sweep analysis using Rheometer		1000	1200	900
59.	Solution Viscosity of biopolymers (Searle Principle)		350	400	300
60.	Pasting Properties of Oat / Rice / Starch - AACC method 76-21.02 / 76-22.01		1400	1600	1200

61.	Luminescent Image Analysis of gels and films (LAS 4000)		250	300	200
62.	Surface tension of liquids using force tensiometer		400	500	300
63.	Critical Micelle Concentration of Surfactants using force tensiometer		1200	1500	1000
64.	Dynamic contact angle of solids using force tensiometer		500	600	400
65.	Surface free energy of solids using force tensiometer		1750	2000	1500
MECHANICAL TESTING of Materials					
66.	Tensile analysis of materials under ambient conditions		900	1000	800
67.	Tensile analysis of materials under physiological conditions		1100	1300	900
68.	Compression analysis of materials		900	1000	800
69.	Shear analysis of materials		900	1000	800
70.	3-point bending		900	1000	800
71.	Tensile Strength of Films (ASTM D882) using Texture analyzer	ASTM D882	700	800	600
72.	Compressive Strength using Texture analyzer		700	800	600
73.	Gel Consistency by back extrusion / Gel Strength by penetration using Texture analyzer		1300	1500	1100
74.	Injectability of Liquids and Viscous Solutions using Texture analyzer		700	800	600
75.	Syringeability of Liquids and Viscous Solutions using Texture analyzer	Approved Protocol	700	800	600
76.	Flexural strength or Three-Point Bend Test of small samples using Texture analyzer		700	800	600
77.	Texture Profile Analysis of food materials (Baked goods, Dairy products, Meat and alternatives, Fruits/Vegetables, Gummy, Gelly Gelatin etc) using Texture analyzer		1300	1500	1100
78.	Bloom Strength of Gelatin (ISO 9665) using Texture analyzer	ISO 9665	1300	1500	1100
79.	Burst Strength of Films using Texture analyzer	600	700	800	600
Thermal analysis					
80.	Determination of transition temperatures and enthalpies of	ASTM D3418	1300	1500	1100

	transitions of materials by DSC (ASTM D3418) (heating rate 10°C/min and above)				
81.	Determination of transition temperatures and enthalpies of transitions of materials by DSC (ASTM D3418) (heating rate 5°C/min and below)		1500	1800	1300
82.	Determination of the heat capacity using modulated DSC (mDSC)	1300	1500	1800	1300
83.	Compositional analysis by Thermogravimetry (TGA) – (ASTM E 1131) (Room temperature to 600 °C)	ASTM E 1131	1500	1800	1300
84.	Compositional analysis by Thermogravimetry (TGA) – (ASTM E 1131) (Room temperature to 1000 °C)		2000	2200	1800
85.	Differential thermal analysis (DTA) of materials (Room temperature to 600 °C)	1300	1500	1800	1300
86.	Differential thermal analysis (DTA) of materials (Room temperature to 1000 °C)	1800	2000	2200	1800

S. M. S.

Approved By



HEAD, BMT Wing