

**TECHNICAL SPECIFICATIONS FOR OPEN TENDER (CRYOSTAT)
DEPARTMENT OF BIOTECHNOLOGY, IIT MADRAS**

Annexure-1

Instrument: CRYOSTAT

Sl. No.	Specifications	Quantity
1	<p>A basic instrument-230V/50Hz with Peltier cooling system, and specimen retraction that can be deactivated.</p> <ul style="list-style-type: none"> • Freestanding cryostat with encapsulated, splash-proof microtome. • Spacious, stainless-steel cryochamber with anti-glare LED illumination. • Easy-to clean and disinfect • Stable, self-contained cryo-cabinet on casters. • Collection container for condensing water at front of instrument. • Outer surfaces and controls of instrument coated to reduce risk of infection. • Handwheel may be locked in two positions • Easy-to-handle and stable clamping system for clamping the specimen discs. • 8⁰ XYZ specimen orientation with zero-point reference. • Specimen retraction can be switched off. 	1
2	Handwheel with marking, antibacterial	1
3	Sets of Specimen discs	4
4	15 mm specimen discs	4
5	25 mm specimen discs	4
6	30 mm specimen discs	4
7	Fine brush	4
8	Brush with magnet	2
9	Allen Key, size 1.5	1
10	Allen Key, size 2.5	1
11	Allen Key, size 3.0	1
12	Allen Key, size 4.0	1
13	Allen Key, size 5.0	1
14	Allen Key, size 6.0	1
15	Allen key with spherical head, size 4.0	1
16	Allen key with handle, size 5.0	1
17	Single-head wrench, size 13	1
18	Single-head wrench, size 16	1
19	Cryostat oil-100 ml	2
20	Tissue freezing medium-125ml	4
21	Cut resistant safety gloves	2
22	Power cord	1

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Accessories

23	Premium blade holder	1
24	Knife holder base, universal	1
25	High-profile disposable blades 818 (1x50)	4
26	<ul style="list-style-type: none">• Vendor should have a good track record of selling similar systems with at least 10 installations across India especially in institutes like IITs, IISERs, IISc, CSIR labs• Vendor should submit at least 3 performance certificates for similar systems• Vendor should have a local presence with good track record of after sales support in Chennai	
27	Warranty period of 5 years on all the components	