



OPEN NOTICE 27 (2025-26)

Subject: Purchase of Thermal Cycler (Make: Thermo Fisher Scientific) for Department of Pharmacology on Proprietary/Nomination basis – Inviting comments reg.

An indent has been received from Department of Pharmacology, Central University of Punjab, Bathinda for procurement of Thermal Cycler, Make: Thermo Fisher Scientific on proprietary/nomination basis.

S. No.	Description	Qty
1.	<p>SPECIFICATIONS FOR THERMAL CYCLER</p> <ul style="list-style-type: none"> The thermal cycler should have 96 well block format. It should be compatible with 0.2 mL PCR tubes, strip tubes, 1x96 well plate Should have a block ramp rate of 3.5°C/sec or better with Peltier based heating and cooling Temperature range of the block should be 0°-100°C and should have heated lid with temperature adjustable upto 105°C It should have gradient feature to precisely set target temperatures for PCR optimization The peltier block should have atleast three segmented temperature zones with a range of 20°C (10°C from zone to zone) and should enable to set upto three user-defined annealing temperatures simultaneously Temperature accuracy: ±0.25°C (35°-99.9°C) Temperature uniformity: < 5°C (30 sec after reaching 95°C) Sample volume range: 10-80 µL The instrument should have the ramp rate simulation feature to run other PCR instrument models with pre-programmed thermal simulation modes The instrument should have the security system to create username and password for each user as well as the password protection could be turned off under the administrative user The thermal cycler should have the auto restart facility in the events of power failure It should have a memory to store 1000 or above experimental protocols Instrument should have USB, ethernet interfaces It should have provision for convenient remote access of monitoring using cloud or equivalent networks Should have user-friendly touch screen LCD display (5 in or above) Should be a CE certified model Should be provided with two years of comprehensive warranty 	01

Departmental PAC certifications and others related documents are attached herewith.

The above document are being uploaded for open information and to invite objections, comments/offers if any, from any manufacturer/ supplier firm regarding proprietary nature of the item and availability of above equipment with required specifications within 10 days from the date of issuance of this notice giving Reference No. 08, 15/04/2025. Objections/ Comments should reach Office of the Stores & Purchase Branch, Central University of Punjab, V.P.O- Ghudda, District Bathinda – 151 401 by post or through email procurement@cup.edu.in on or before 05.01.2026, failing which it will be presumed that no firm has any objection/ comment to the above offer and case will be decided on merits as per rules.

Sd/-

प्रभारी भंडार एवं क्रय शाखा)

I/c Stores & Purchase Branch

(For and On behalf of Central University of Punjab)

Enclosure:

1. PAC Certificates
2. Detailed Specification

PROPRIETARY ARTICLE CERTIFICATE

As per Rule 166 GFR 2017 –

Single Tender Enquiry. Procurement from a single source may be resorted to in the following circumstances: -

- i. It is in the knowledge of the user department that only a particular firm is the manufacturer of the required goods.
- ii. In a case of emergency, the required goods are necessarily to be purchased from a particular source and the reason for such decision is to be recorded and approval of competent authority obtained.
- iii. For standardisation of machinery or spare parts to be compatible to the existing sets of equipment (on the advice of a competent technical expert and approved by the competent authority), the required item is to be purchased only from a selected firm.

Note: Proprietary Article Certificate in the following form is to be provided by the Ministry/Department before procuring the goods from a single source under the provision of sub Rule 166 (i) and 166 (iii) as applicable.

1. The indented goods are manufactured by M/s.....*Thermo Fisher*.....
2. No other make or model is acceptable for the following reasons:
Our current protocols were standardized on the same machine & make & thus we do not want to deviate from the same to avoid any delays in our project outcomes.
3. Concurrence of finance wing to the proposal vide :
4. Approval of the competent authority vide :

[Signature]
Signature with date

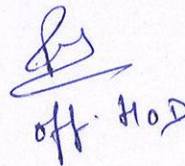
Professor & pi
Designation of Indenting Officer

[Signature]
Signature, Head of the Department

अध्यक्ष / Head
With Office Seal With Date Department of Pharmacology
पंजाब केंद्रीय विश्वविद्यालय / Central University of Punjab
ग्राम व डाकघर घुडा (बठिंडा) / VPO Ghudda (Bathinda)
पंजाब, भारत / Punjab, India-151401

SPECIFICATIONS FOR GRADIENT THERMAL CYCLER

1. The thermal cycler should have 96 well block format. It should be compatible with 0.2 mL PCR tubes, strip tubes, 1x96 well plate
2. Should have a block ramp rate of 3.5°C/sec or better with Peltier based heating and cooling
3. Temperature range of the block should be 0°-100°C and should have heated lid with temperature adjustable upto 105°C
4. It should have gradient feature to precisely set target temperatures for PCR optimization
5. The peltier block should have atleast three segmented temperature zones with a range of 20°C (10°C from zone to zone) and should enable to set upto three user-defined annealing temperatures simultaneously
6. Temperature accuracy: $\pm 0.25^{\circ}\text{C}$ (35°-99.9°C)
7. Temperature uniformity: $< 5^{\circ}\text{C}$ (30 sec after reaching 95°C)
8. Sample volume range: 10-80 μL
9. The instrument should have the ramp rate simulation feature to run other PCR instrument models with pre-programmed thermal simulation modes
10. The instrument should have the security system to create username and password for each user as well as the password protection could be turned off under the administrative user
11. The thermal cycler should have the auto restart facility in the events of power failure
12. It should have a memory to store 1000 or above experimental protocols
13. Instrument should have USB, ethernet interfaces
14. It should have provision for convenient remote access of monitoring using cloud or equivalent networks
15. Should have user-friendly touch screen LCD display (5 in or above)
16. Should be a CE certified model
17. Should be provided with two years of comprehensive warranty



off. HOD



Exhibit A: MiniAmp™ PCR System Intellectual Property Summary

- I. MiniAmp™ is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
- II. Apparatuses, Systems and Methods for Providing Scalable Thermal Cyclers and Isolating Thermoelectric Devices

COUNTRY	STATUS	APPLICATION #	PATENT #	GRANT DATE
China	Issued	201580009288.1	106102916	Apr 23, 2019
China	Issued	201520109504.7	204874536	Dec 16, 2015
European Patent Office	Pending	18180197.8		
European Patent Office	Issued	15704906.5	3107658	Jul 4, 2018
India	Pending	201647030986		
Japan	Allowed	2016-552634		
Singapore	Issued	11201606590U	11201606590U	May 2, 2019
United States of America	Pending	14/613,496		

- III. Thermal Cycler Apparatuses and Systems

COUNTRY	STATUS	APPLICATION #	PATENT #	GRANT DATE
China	Issued	201721500056.9	207452129	Jun 5, 2018
Germany	Issued	202017106844.7	202017106844.7	Dec 21, 2017

- IV. Thermal Cycler Housing

COUNTRY	STATUS	APPLICATION #	PATENT #	GRANT DATE
China	Issued	201830205821.8	304822502	Sep 18, 2018
European Union	Pending	005258829		
India	Pending	305487		
India	Issued	305488	305488	May 1, 2019
Singapore	Issued	30201805311X	30201805311X	May 10, 2018
Singapore	Issued	30201805310U	30201805310U	May 14, 2018
United States of America	Allowed	29/625,653		

June 20, 2019

SOLE SOURCE LETTER

Dear valued Life Technologies Corporation customer,

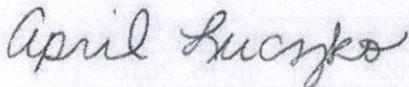
Thank you for your interest in our thermal cycler products, specifically the part numbers listed below.

Part Number	Description
A37834	MiniAmp™ Thermal Cycler
A37835	MiniAmp™ Plus Thermal Cycler

The above products are proprietary technology of Life Technologies Corporation, part of Thermo Fisher Scientific. Specifically, the Applied Biosystems™ MiniAmp™ and MiniAmp Plus™ Thermal Cyclers are covered by at least the intellectual property listed in Exhibit A enclosed herein.

Should you have any questions, please let us know.

Sincerely,



April Luczko
Product Manager
Applied Biosystems Thermal Cycler