



INTER UNIVERSITY INSTRUMENTATION CENTRE (IUIC)

Mahatma Gandhi University

ANALYSIS REQUISITION

Circular Dichroism (CD) Spectroscopy



Applicant Details

Name of Applicant :

Designation & Institutional Address :

Phone No :

E-mail :

Name of Supervisor :

Research Details

Title of Research Work / Project :

Sample Information

Nature of Sample :

☐ Protein ☐ Peptide ☐ DNA ☐ RNA ☐ Polymer ☐ Nanomaterial ☐ Small Molecule ☐ Other

Objective of Analysis :

Sample Preparation Details

Submit a matching blank buffer for baseline correction and recommended buffer concentration: 10-20 mM.

Sl. No.	Sample ID	Sample Name	Sample Conc. (mg/mL / μ M / mM)	Buffer/solvent used and its Conc. (mM)	Salt Conc. (mM) If any	Sample Volume (μ L)

Safety Information

Does the sample contain any hazardous chemicals? : ☐ Yes ☐ No

If yes, specify _____ :

Billing Address (Mandatory) _____ :

(The provided billing address is final and cannot be changed.)

Sample Declaration

I certify that the submitted sample is properly prepared for CD analysis and free from particulate matter unless otherwise stated.

Applicant Signature _____

Name & Signature of Supervisor
(with Department Seal/Office Seal)

Date _____

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For Office Use

Date Received _____ : Sample Condition: _____

Signature of Analyst _____ :

Sample charge

Sl. No.	Instrument	MG University Campus Users (Rs.)	Researchers Outside Educational Institutions (Rs.)	Industries (Rs.)
1	JASCO J-1500 Circular Dichroism Spectrometer	200	1000	2000

Instructions for CD Sample Submission

1. Samples should be clear, particle-free, and free from dust.
2. Protein samples should preferably be prepared in low UV-absorbing buffers such as phosphate or Tris.
3. Avoid buffers containing high concentrations of Chloride salts, Imidazole, DTT, β -Mercaptoethanol, SDS, Triton X-100, High glycerol concentrations
4. Buffer absorbance should be minimal below 200 nm.
5. Submit a matching blank buffer for baseline correction and recommended buffer concentration: 10-20 mM for Far-UV CD measurements (190-260 nm).
6. Mention the exact sample concentration and buffer composition.
7. Recommended sample concentration:
 - Far-UV CD (190-260 nm): 0.1-1.0 mg/mL (proteins)
 - Near-UV CD (250-350 nm): 1-10 mg/mL (proteins)
8. Samples should be freshly prepared and stored appropriately before analysis.
9. Clearly label all sample tubes with the Sample ID.
10. Samples containing strong UV-absorbing solvents should be declared.
11. Hazardous, infectious, radioactive, or highly corrosive samples will not be accepted without prior approval.
12. Test samples will be discarded **one week after completion of analysis** unless requested otherwise.

Payment Details

For the analysis, Payments are to be made only money transfer to

Bank: State Bank of India

Branch: M. G. University Campus Branch

Account Name: Equipment Maintenance Fund (EMF-IUIC)

Account No: 67212747998

IFSC Code: SBIN0070669

The payment received is more than the actual analysis charges incurred, it will not be possible to refund the excess amount paid. However, the excess amount may be adjusted against future analyses by the same user or another user from the same organization following a written request by Email or hard copy.