

MALDI-TOF MASS SPECTROMETRY

Centre for Biotechnology
Anna University, Chennai – 600025



The MALDI-7090™ is a state of the art, high-resolution MALDI-TOF/TOF mass-spectrometer and one of the latest in the field of MALDI-TOF mass-spectrometry. The instrument is primarily focused on protein characterization and proteomics. Mascot search engine is used for database searching. Additionally, targeted analysis of other biomolecules is also done. Users are requested to follow the sample submission instructions and provide the necessary details.

Types of analyses:

- Accurate mass determination of peptides, proteins & small molecules
- In-solution digestion and MS analysis of proteins
- Protein gel band identification
- Post-translational modification analysis of proteins
- Other specific/custom analyses

Charges for the MS analyses are given below:

Charges for MALDI-TOF Mass-spectrometry sample analyses
(Proteomics Facility, Centre for Biotechnology, Anna University)

S. No	Analysis		Charges (in Rupees)#			
			Academics in Anna University, Chennai	Academics outside of Anna University	Industry & Private Organizations	
1	Intact Mass (MW) determination		MS	750	1000	2000
2	Protein Identification (In solution digestion)		PMF	1500	2000	4000
			MS/MS	2000	3000	5000
3	Protein identification from Gel band	Digested	PMF	1000	2000	4000
			MS/MS	2000	3000	5000
		Digest & process	PMF	2000	3000	5000
			MS/MS	2500	3500	6000
4	PTM analysis* (additional fee)	For S. No 2 & 3	PTM	1000	1500	2500
5	Identification of more than one protein from gel band**		PMF (or) MS/MS	Full charge as above for first ID + 50% for subsequent IDs	Full charge as above for first ID + 50% for subsequent IDs	Full charge as above for first ID + 50% for subsequent IDs

PMF = Peptide Mass Fingerprinting

* = Only selected PTMs (Post-translational Modifications)

** = The prices may be further reduced in case of bulk sample analysis

= The charges are excluding GST (18%) which is applicable as per norms of Centre for Technology Transfer and Development (CTDT), Anna University, Chennai - 600025

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