

FACT SHEET/ TERMS AND CONDITIONS: High Resolution Mass Spectrometry (HRMS)

Facility Assisted Services

Start Date: 1 September 2016

(Version: 20 Aug, 2016)

FEATURES

- HRMS will be performed on an Agilent QTOF (model number: 6540 UHD). UHPLC, nanoLC and GC- APCI are available as the front end. [Modes of ionization available: ESI, APCI, APPI, ASAP]
- High Resolution Mass Analysis for
 - Synthetic organic samples (MS and tandem MS)
 - Peptide and intact protein analysis
 - Peptide mass fingerprinting using tandem MS
 - Metabolite Screening
- GC MS and LC MS with established protocols and methods can also be undertaken on a case to case basis. Contact CAMS for further details.
- CAMS & Venture Center will be willing to work with researchers on new method development and other analytical requirements using MS. These exercises need to be discussed separately with the Venture Center management.
- Venture Center only supports researchers with scientific data. Venture Center is not an accredited testing lab. Venture Center does not provide certificates. This data cannot be used for any certifications/ approvals. Venture Center does not offer to certify or confirm data in front of any agency or any court of law.

ELIGIBILITY

- The MS service is open to all technology developers, entrepreneurs, academic institutes, researchers and industries. However, priority shall be given to:
 - Proof-of-concept studies aiming to create to start-ups
 - Requests from incubatee companies (resident and AIP)
- Venture Center retains the right to refuse applications without providing a reason.

TERMS & PRICING

- GENERAL CONDITIONS:
- This service sheet only offers standardized experimental protocols on Mass Spectrometry available with Venture Center. The terms and conditions are specifically for these standardized studies. All publications, posters and presentations by researchers using MS data from Venture Center are expected to acknowledge use of Venture Center facilities as follows in the acknowledgement section: **“Mass Spectrometry analysis were performed by _____ at the DBT-BIRAC supported Center for Applications of Mass Spectrometry (CAMS) at Venture Center BioIncubator at CSIR-NCL, Pune, India”**
 - Any analysis involving intellectual inputs relating to design of experiments or new method development etc are treated different from the above mentioned standardized studies. Such collaborative efforts involving Venture Center staff have to be approved by the Venture Center management on a case-to-case basis. The terms of engagement shall be different in these cases. Typically, in these cases, Venture Center requires that all publications, posters and presentations by researchers using Mass Spectrometry data generated with intellectual contributions from Venture Center staff be acknowledged through co-authorship.
 - Experiments can fail for various reasons. Venture Center shall not be liable for the loss of samples and time in this case.

HOW TO APPLY?

- Request a discussion meeting with the Manager of the Center for Applications of Mass Spectrometry (CAMS). Understand what can and cannot be done at CAMS.
- Fill and submit application form. Venture Center raises an invoice against this application form. Payments are expected in full in advance prior to start of MS analysis.

PAYMENT TERMS

- All services are offered against advance payment in full. Service tax and other taxes applicable at the prevailing rate shall be in addition to the above. Payment via a) Demand Draft, b) Cheque payable in Pune or at par or c) bank transfer are possible. All payments have to be made in the name of "Entrepreneurship Development Center"
- Booking once made shall not be transferrable or payment made thereof shall be non-refundable. On the occasional case where Venture Center is unable to carry out the experiment due to equipment failure or contamination or absence of staff, Venture Center shall inform the applicant immediately and refund the payments made to it.

USAGE TERMS

- Service users shall not (intentionally or otherwise) do or say anything to suggest that Venture Center or CSIR-NCL has any connection to the samples being studied.
- Venture Center shall maintain records of MS data for each applicant. These will be made available to the applicant prior to billing. User agrees that in case of any dispute, Venture Center's assessment of the number of samples / number of hours and fees applicable will be considered final and the same shall be used for billing purposes.
- Venture Center reserves the right to deny use of its services at its sole discretion, without providing any reason whatsoever. In case of scheduling conflicts, Venture Center will be the sole and final authority on the schedule and availability of the MS analysis.

Pricing for Hourly Basis Usage			
S. No	Service	Price (Rs.)	Description
C01	Use of ESI/ASAP source	Rs. 3,000/-	Per hour *Terms& Conditions apply StartTime: Injection of First Sample Finish Time: End Time of Last Sample.
C02	Use of HPLC Chip with nano LC	Rs. 6,000/-	Per Hour* Terms& Conditions apply StartTime: Injection of First Sample Finish Time: End Time of Last Sample
C03	Use of GC-APCI	Rs. 3,000/-	Per Hour* Terms& Conditions apply StartTime: Injection of First Sample Finish Time: End Time of Last Sample

*Terms & Conditions Applicable

Source	Inclusions & Exclusions
ESI/ASAP	1) UPLC system 2) Columns: C18 column , 2.1x 50mm and 2.1x 100 mm 3) Mobile phase: Acetonitrile, Methanol, Ethyl acetate and water 4) Tuning solution 5) System generated report, raw data file and ASCII files. 6) Not included: sample preparation, Sample vials, syringe, pipette, tips, Standard reference material, centrifuge vials, data analysis, data interpretation, data reporting, and database access. 7) Restricted material: unprocessed biological fluid, virus, radioactive substance, material below pH 2 and above pH 11
Chip	1) Nano LC system 2) Microfluidic chip: Polaris C18 HPLC chip for proteomics 3) Mobile phase: Acetonitrile, Methanol and water 4) Tuning solution 8) Raw data file or .mgf files. 5) Not included: Sample vials, syringe, pipette, tips, Standard reference material, centrifuge vials, data analysis, data interpretation, data reporting, and database access. 6) Restricted material: unprocessed biological fluid, virus, radioactive substance, material below pH 2 and above pH 11
GC-APCI	1) GC system 2) DB-5MS column 3) Gas: Helium 9) System generated report, raw data file and ASCII files. 4) Not included: Sample vials, syringe, pipette, tips, Standard reference material, centrifuge vials, data analysis, data interpretation, data reporting, and database access. 5) Restricted material: unprocessed biological fluid, virus, radioactive substance, material below pH 2 and above pH 11

DISCOUNT: NO DISCOUNT APPLICABLE FOR THE ABOVE SERVICES

It is hereby declared that the undersigned has read and understood the terms and conditions of

Venture Center's HRMS services and accepts the same.

For and on Behalf of

(Name of the Company)

(Name of the authorized signatory)