

BIOASSAY ANALYTICAL SERVICES



- **HPLC Testing Services**
- **GC Testing Services**
- **Analysis by Mass Spectrometry**
- **Anti Oxidant Assay**
- **Enzyme Analysis Services**

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HPLC SERVICES

To ensure successful method development there is a requirement for highly skilled analytical judgement. The 'purpose' of the method needs to be determined with some clarity and thoroughness as this will ultimately determine the long-term success of the new method . We provide our best for a reliable and satisfying experience for our customers.



SERVICES WE OFFER :

Our experienced scientists are committed to deliver reliable and standard data for HPLC services.

- **Actives Quantification**
- **Additives Analysis**
- **Taste and Odour Analysis**
- **Antioxidant Analysis**
- **Impurity Analysis**
- **Analytical Method Development**
- **Bio-analytical Method Development**

METHOD DEVELOPMENT : We follow Accuracy, Repeatability/Reproducibility, Precision, Specificity/Selectivity, Limit of Detection (LOD) , Limit of Quantitation (LOQ), Linearity, Range, Robustness, System Suitability, Sample Stability for method development.

ADVANTAGE :

We undertake the whole project for sequencing services

- **HPLC with UV-Vis, PDA, FLD & ECD Detector**
- **Preparative HPLC with PDA**
- **Ion Exchange & Affinity Chromatography System**

HPLC ANALYTICAL METHODS:

We use the following analytical methods for HPLC Analysis :

- **Normal Phase Chromatography**
- **Reverse Phase Chromatography**
- **Ion Exchange Chromatography**
- **Size Exclusion Chromatography**
- **Chiral Chromatography**

GAS CHROMATOGRAPHY SERVICES

To ensure successful method development there is a requirement for highly skilled analytical judgement. The 'purpose' of the method needs to be determined with some clarity and thoroughness as this will ultimately determine the long-term success of the new method . We provide our best for a reliable and satisfying experience for our customers.



SERVICES WE OFFER:

Our experienced scientists are committed to deliver reliable and standard data for GC services.

- **GC Analysis**
- **Analytical Method Development**
- **Bio analytical Method Development**
- **Accurate, Precise, Reproducible Methods**

METHOD DEVELOPMENT : We follow Accuracy, Repeatability/Reproducibility, Precision, Specificity/Selectivity, Limit of Detection (LOD) , Limit of Quantitation (LOQ), Linearity, Range, Robustness, System Suitability, Sample Stability for method development.

ADVANTAGE :

We undertake the whole project for sequencing services

- **GC with FID, FPD & NPD Detectors**
- **Multiple Platforms - Agilent & Shimadzu**
- **Inventory for standards**
- **Periodic Calibration**

WE SERVE FOR :

We carried out wide range of projects like; analysis of chemical families , pharmaceutical components , flavour and fragrances, additives for polymers and rubber, solvents and bulk chemicals, components of paints and adhesives, herbicides and pesticides, , as well as many other types of molecules.

MASS SPECTROMETRY SERVICES

We provide an extensive range of mass spectrometry analytical instruments and expertise for client testing and research projects. We analyse a diverse variety of samples and sample matrices. We analyse trace-level molecular characterisation of many sample types and is a powerful analytical tool for trace and ultra-trace analysis, unknowns identification, and many other.



MASS SPECTROMETRY ANALYSIS

Our experienced scientists are committed to deliver reliable and standard data for mass spectrometry services.

SERVICES WE OFFER :

- **Analytical GC-MS Service**
- **Analytical LC-MS Services**
- **Bio analytical Method Validation**
- **Method Validation**
- **Trace Analysis**

ADVANTAGE :

- **Unknown Component Identification**
- **GC-MS Analysis for Chemical Assay**
- **Additives Analysis**
- **Method Development for critical sample**
- **Volatile Organic Compound (VOC) Testing**
- **Residual Monomer Detection**

WE SERVE FOR :

We provide analytical services to the Pharmaceutical, Herbal, Cosmetics, Perfumery, Oil and Biotech industries and Research.

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer

ANTI-OXIDENT ASSAY

Free radicals and reactive oxygen species (ROS) are highly reactive molecules, Excess production of reactive oxygen species can also lead to severe damage in biological system. Allele Life Sciences offers various screening methods for evaluating the total antioxidant activity of compounds or extracts; DPPH, FRAP ABTS and ORAC antioxidant assays.



Antioxidant Activity Assay:

- DPPH Antioxidant Assay
- Oxygen Radical Capacity Antioxidant (ORAC) Assay
- Total Antioxidant Capacity (TAC) Assay
- Ferric Reducing Antioxidant Power (FRAP) Assay
- ABTS Assay

Antioxidant Enzyme Activity Assay:

- Superoxide dismutase (SOD)
- Catalase
- Glutathione reductase (GR)
- Glutathione peroxidase (GPx)
- GSH/GSSG ratio

Total Groups Antioxidant Activity Assay:

- Assay for total flavonoids
- Assay for polyphenols
- Carotenoids
- Anthocyanin

Individual Compound Activity Assay :

We offer anti oxidant activity of the compounds like; Resveratrol, Ascorbic Acid, Catechin, Carotenoids, isoquercitrin, aspalathin, Vitamin E etc.

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer

ENZYME ANALYSIS SERVICES

Enzymes can be a beneficial additive to animal feeds and in human dietary supplements. Their use as digestive aids and metabolic catalysts is becoming increasingly more common in a variety of applications. The expert team of Allele Life Sciences, complemented by our state-of-the-art lab facilities, supports customers with the highest standards of quality, technical analysis, and data management.



SERVICES WE OFFER :

- **Molecular weight determination by SDS-PAGE & Western Blot**
- **Measurement of enzyme concentrations by ELISA & BCA Assay**
- **Assessment of enzyme purity by SDS-PAGE & HPLC**
- **Kinetics study of enzyme**
- **Amino-terminal sequence analysis**
- **Enzyme activity assay**
- **Detection of endotoxin & Mycotoxin level**
- **Inhibitors and activators characterisation**

Microbiology of Enzymes : We perform analytical testing for Yeast & Molds, E.Coli, Salmonella, Antibiotic Activity etc.

Heavy Metal Analysis ; We perform quality testing for lead, arsenic, mercury, zinc, cadmium etc.

WE TEST:

- Textile Enzymes
- Industrial Enzyme
- Pharmaceutical Enzyme
- Food Enzyme
- Cosmetics
- Bio Agriculture

TECHNOLOGIES AND FACILITIES

Analysis by FPLC, LPLC, ELISA, Q-PCR, GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer

QUOTATION & ORDERING :

For quotation request mail at : mail@allelelifesciences.com or
Call - + 91 - 9891179928

Helpline: + 91 - 09891179928

mail@allelelifesciences.com

SAMPLE SUBMISSION FORM

CUSTOMER INFORMATION

Name :

Address :

Phone :

E.mail :

SAMPLE INFORMATION

#	Analysis Required	Sample Information	No. of Samples	MSDS
				Y/N

ANALYSIS INSTRUCTION

AUTHORIZATION SIGNATURE

DATE

For Office Use Only	Comment	
Received By		Date
Forwarded to		Date

MSDS QUESTIONNAIRE

Description of Sample(s):	
Material Composition/List of Ingredients?	
Is License required to handle sample?	
Is the sample a Biological Agent?	
Is Sample Radioactive?	
Physical Characteristics?	
Hazard/Transportation Labels?	
Does your Institution specify any specific Personal Protective Equipment (PPE) to your staff for handling sample(s)?	
Does your company specify any specific Sample Containment?	
Does your company specify any specific Sample Containment?	

OTHER INSTRUCTION