



Metabolite Analysis Report by GCMS

ORDER INFORMATION	
Investigator	Srikanth
Company/ Institute	Sree Biologics
Project Code	25/03/0041
Sample Received Date	20/03/2025
Sample Analysis Date	30/04/2025

SAMPLE INFORMATION	
Sample ID	Sree PRO-25/03/0041
Analysis	Metabolite Analysis by GCMS
Sample Concentration Used	NA
Additional Information	NA

INSTRUMENT DETAILS	
Model	Agilent GCMS 5975
Make	Agilent
Software	Open labs

Office Address : Flat 111 , Sree Salasara Gardenia, Spring Field Colony, Jeedimetla ,Hyderabad- 500067

Lab Address : Lab-1,Avishkaran Incubation Centre , NIPER,Balanagar,500037

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1. Objective:

To extract and analyze the Metabolites present in the given sample.

2. Materials:

S.No	Item/Chemical Name	Part number
1	MTBSTFA	TCI-CAS RN:25561-30-2
2	Triethylamine	SRL-75198
3	MS Grade ACN	JTBaker

3. Equipment & Instruments Used:

S.No	Instrument /Equipment Name	Make
1	Micro Pipette	BEXCO
2	GCMS	Shimadzu

4. Sample preparation:

- 500uL of the sample was taken and to that 3 volumes of chloroform: methanol: water is added and incubated at -20°C for 3hrs.
- The sample was centrifuged at 12000 rpm for 15 minutes.
- Supernatant was collected and dried under speed vac.
- The dried sample was then derivatized with 100ul of MTBSTFA: ACN: Triethylamine (3:1:1), incubated in thermomixer at 60°C, for 1hr.

Prepared & Analyzed By



Vahini

Reviewed By



Raju Rapaka