



# Aakaar Biotechnologies Private Limited

Technologies Inspired by Life

## Research Services

Description		Rate
<b>Organism Identification</b>		
OI01	<b>MPA</b> Morphological Characterisation of microorganism (gram staining, colony morphology, motility, spore staining)	1000/- per strain
OI02	<b>MPA</b> Biochemical Characterisation of micro-organism (Per 5 tests)	2000/- per strain
OI03	<b>MPA</b> Molecular Characterisation of micro-organism (DNA Sequencing and Data Analysis)	5000/- per strain
<b>Organism and Environment</b>		
OE01	<b>MPA</b> Microbe – Microbe interaction studies	Price on Request
OE02	<b>MPA</b> Plant – Microbe interaction studies	Price on Request
OE03	<b>MPA</b> Animal cell line – Microbe interaction studies	Price on Request
OE04	<b>MPA</b> Antimicrobial activity (Minimum Inhibitory Concentration)	1000/- per sample per strain
OE05	<b>MPA</b> Screening of microbes for Bioremediation (Heavy metal resistance, Plastic Degradation etc.)	750/- per sample per strain
<b>Organism Physiology</b>		
OP01	<b>P</b> Estimation of chlorophyll A, B and carotenoid in given sample at different treatments	150
OP02	<b>P</b> Estimation of proline of given sample at different level	200
OP03	<b>P</b> Estimation of Malondialdehyde (MDA) of given sample at different level	200
OP4	<b>P</b> Estimation of carbohydrate of given sample	150

**R & D Unit:** Lab 6, Incubator II, Biotech Park, Sec-G Jankipuram, Lucknow, U.P. India.

**Registered Office:** 1056, Ganesh Nagar, Rawatpur Gaon, Kanpur, U.P. India.

**E-mail:** ceo@aakaarbiotech.com **Contact No.:** 0522-2733838, 9455371945 **Website:** www.aakaarbiotech.com



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<b>Cellular Physiology</b>			
CP01	<b>A</b>	IC50 evaluation or Dose Response Relation with MTT and NRU assay	1500/-
CP02	<b>A</b>	Cytotoxicity effects with comparison with standard drug	2000/-
CP03	<b>A</b>	Reactive Oxygen Species estimation	1500/-
CP04	<b>A</b>	Reactive Nitrogen Species estimation	1500/-
CP05	<b>A</b>	Cell Proliferation Assay with Alamar Blue Assay	1500/-
CP06	<b>A</b>	Cell Cycle Analysis with Flow Cytometry	Price on request
CP07	<b>A</b>	DNA Fragmentation Assay (upto 5 treatment groups, including control)	2500/-
CP08	<b>A</b>	Mitochondrial Membrane Potential Estimation with Rhodamine 123	2000/-
CP09	<b>A</b>	Apoptosis Assay (ELISA based)	4500/- per protein of interest
CP10	<b>A</b>	Apoptosis Assay (Flow cytometer based)	Price on request
CP11	<b>A</b>	Detection of protein with Western Blotting (Including one housekeeping protein)	2500/- per protein of interest
CP12	<b>A</b>	Quantification of protein with ELISA (Including standards)	4500/- per protein of interest
<b>Molecular Physiology</b>			
MP01	<b>BM</b>	Isolation, purification and characterization of Biomolecules with LC-MS/ GC-MS (Primary and Secondary metabolites, biosurfactants, quorum sensing molecules)	Price on Request

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MP02	<b>BM</b>	Microbial enzyme activity analysis and characterisation	1500 per enzyme per sample
MP03	<b>BM</b>	Isolation and purification of microbial bio-surfactants	5000/-per sample per strain
MP04	<b>BM</b>	Quorum sensing molecule extraction and purification	5000/-per sample per strain
MP05	<b>BM</b>	Quantitative estimation of Biomolecules with HPLC (Including sample processing and data analysis)	1500/- per sample + 1500/- per standard
MP06	<b>BM</b>	Quantitative estimation of Heavy metals with AAS (Including sample processing and data analysis)	600/- per sample per metal
MP07	<b>BM</b>	Identification of presence/ absence of gene in microbes	2500/- per sample
MP08	<b>BM</b>	Qualitative analysis of Gene Expression with conventional PCR methods	4000/- per gene per sample
MP09	<b>BM</b>	Semi-Quantitative analysis of Gene Expression with real time PCR methods	5000/- per sample per gene + 5000/- per standard gene
MP10	<b>BM</b>	Ligand structure conversion from chemical structure to 2D/3D form, or different format.	Price on Request
MP11	<b>BM</b>	Modelling of protein or ligand	Price on Request
MP12	<b>MPA</b>	Docking of ligand to protein to check its binding stability.	Price on Request
MP13	<b>MPA</b>	Molecular Dynamics Simulation	Price on Request

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## Customized Kits for Experiments (Do It Yourself)

CK00	<b>MPA</b>	Customized kits (for any number of samples, even for single experiment) are available for all type life sciences experiments	Price on Request
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### Terms and conditions:

1. Aakaar Biotech products and services are meant for research purposes only and can be used only by qualified individuals with research experience.
2. Results would be provided within 15 - 60 days (as per service order request and including data analysis) from date of samples received order.
3. Express Services (results and data analysis as early as experimental time schedule) are available at 30% extra price as described in price list.
4. Taxes extra, as applicable.
5. All dispute are subjected to Kanpur Jurisdiction only.

### For any further queries

**Call us:** 0522-2733838, 9473598185, 9455371945

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**M= Microbes; A= Animals; P= Plants; BM= Biomolecules**

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