

CUSTOM Services



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Custom Services

Cat.#	Service Description	Pack Size	Price in ₹
Custom Gene Synthesis Services			
GSYN-01	Custom Gene Synthesis Service of 120 bp - 500 bp	Per construct	25000
GSYN-03	Custom Gene Synthesis Service of 501bp - 2000 bp	Per construct	48/ bp
GSYN-04	Custom Gene Synthesis Service of 2001 bp - 4000 bp	Per construct	58/ bp
GSYN-05	Custom Gene Synthesis Service of > 4 kb	Per construct	POR
GSYN-06	Codon optimization of the gene of interest	Per construct	10000
DNA Extraction and Purification Services			
GMOL-01AA	Mitochondrial DNA extraction service (from tissues, blood, cultures) up to 2-20ug Samples: Frozen tissue, cells & blood samples.	Per Sample	25000
GMOL-01	Genomic DNA extraction service (from tissues, blood, cultures) up to 20ug Samples: Frozen tissue, cells & blood samples.	Per Sample	12500
GMOL-01A	Genomic DNA extraction service (from tissues, blood, cultures) up to 20ug Samples: Frozen tissue, cells & blood samples.	up to 10 samples	35700
GMOL-01D	Genomic DNA isolation from plant samples. Samples: Frozen plant samples.	Per Sample	12500
GMOL-01E	Genomic DNA isolation from plant samples. Samples: Frozen plant samples.	up to 10 samples	37890
GMOL-01E	Custom plasmid isolation service (Deliverable: up to 10 ug pDNA)	Per Sample	10000
GMOL-01F	Custom plasmid isolation service (Deliverable: up to 200 ug pDNA)	Per Sample	20000
GMOL-01G	Custom plasmid isolation service (Deliverable: up to 1 mg pDNA)	Per Sample	40000
GMOL-01H	Endotoxin removal services (upto 500 ug plasmid DNA)	Per Sample	25000
GMOL-01I	Custom plasmid isolation service (low copy number) (up to 20 ug pDNA)	Per Sample	25000
DNA Gel Electrophoresis Services			
GRS-07-11	PCR Optimization and quality check through Agarose gel electrophoresis	Per Target	5500
GRS-07-11A	PCR Optimization and quality check through Agarose gel electrophoresis	up to 10 Targets	15000
GRS-07-12	Apoptotic ladder identification by Agarose gel electrophoresis	Per Target	45000
GRS-07-13	Single Stranded DNA Synthesis Project includes: gene synthesis, in-vitro transcription; single strand DNA synthesis; Deliverable: up to 1 ug DNA Setup Charge-Rs. 50000.00 up to 2 Kb ssDNA synthesis	Per Base project setup cost	150 50000
GRS-07-14A	In-vitro transcription service (up to 1 kb; 1 ug DNA free RNA)	Per Sample	30000
GRS-07-14B	In-vitro transcription service (up to 1 kb; 10 ug DNA free RNA)	Per Sample	110000

Custom Services

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RNA & cDNA Synthesis Services			
GRES-01A	Total RNA Extraction service and quality check by Agarose gel electrophoresis (Phenolic method)	Per Sample	15000
GRES-01B	Total RNA Extraction service and quality check by Agarose gel electrophoresis (phenolic method)	up to 10 samples	52000
GRES-01C	Total RNA Extraction service and quality check by Agarose gel electrophoresis (non-phenolic method)	Per Sample	18000
GRES-01D	Total RNA Extraction service and quality check by Agarose gel electrophoresis (non-phenolic method)	up to 10 samples	60000
GRES-01E	Total RNA Extraction service and quality check by MOPS (Phenolic method)	Per Sample	20000
GRES-01F	Total RNA Extraction service and quality check by MOPS (phenolic method)	up to 10 samples	57000
GRES-01G	Total RNA Extraction service and quality check by MOPS (non-phenolic method)	Per Sample	23000
GRES-01H	Total RNA Extraction service and quality check by MOPS (non-phenolic method)	up to 10 samples	65000
GRES-02A	cDNA synthesis from total RNA/ mRNA Reverse transcription experiment PCR: First strand cDNA synthesis by Oligo dT or random hexamer, includes primer synthesis of house keeping gene	Per Sample	25500
GRES-02B	cDNA synthesis from total RNA/ mRNA Reverse transcription PCR: First strand cDNA synthesis by Oligo dT or random hexamer, includes primer synthesis of house keeping gene	up to 10 samples	98000
Real Time qPCR Services			
GRTP-01	Quantitative real time PCR by SYBR green method (up to 24 reactions) Additional reaction	Per Test Per Reaction	25000 500
GRTP-02	Quantitative real time PCR by TAQMAN chemistry (up to 24 reactions) Additional reaction	Per Test Per Reaction	35000 750
GRTP-03	Real time data analysis (fold increase, relative expression, absolute quantification)	Per Analysis	10000
GRTP-04	Primer designing for standard PCR	Per Primer Set	450





Custom Services

Cat.#	Service Description	Pack Size	Price in ₹
GRTP-05	Primer designing for real time qPCR	Per Primer Set	1000
GRTP-06	Primer and TaqMan probe designing for real time qPCR	Per Primer Set	1500
GRTP-07	LAMP Primer designing and synthesis	Per Primer Set	56000

PCR & Cloning Services

GMOL-06	Molecular cloning of custom DNA fragment, includes: Restriction digestion of customer-provided vector and insert with appropriate restriction enzymes; treatment with phosphatases & PNK as required and gel purification; Ligation of digested fragments to generate desired vector clone; screening and selection of positive clones by PCR and/or restriction digestion; Cloning confirmation by 'vector: insert end-joint' sequencing; Miniprep for selected plasmid- ~5ug of isolated plasmid DNA will be provided.	Per Cloning	35000
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Site Directed Mutagenesis Services

GMOL-07G	Introduction of point mutation by Site directed Mutagenesis; includes : Design and synthesis of mutagenesis primers, PCR amplification, Confirmation of desired mutations by DNA sequencing, Delivery of purified plasmid DNA construct or its glycerol stock. (single point or multiple point mutations within 6 bases)	Per SDM Reaction	45000
GMOL-07H	Preparation of deletion mutant (>10 bp from wild-type) construct; includes: Design and synthesis of primers, PCR amplification, Confirmation of desired mutations by DNA sequencing, Delivery of purified plasmid DNA construct or its glycerol stock. (30% extra charge above the unit price will be applicable in case of amplicon size >10 kb)	Per Construct	65000

Custom Western Blotting Services

GMOL-10	Custom protein expression analysis by western blot Includes: Protein extraction; SDS-PAGE, Blotting and immunoprobing, (protein specific Antibody have to be provided by the customer; extra charge will be applicable if our company provides antibody) and detection (chemiluminescence detection and chromogenic detection).	Per Blot	65000
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Custom Services

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Protein Synthesis Services

GMOL-08	Bulk Protein expression and purification, in Bacterial Host Includes: Cloning of Target gene in the expression vector, Expression analysis in the host, purification of the protein and characterization by SDS-PAGE. 1-5 mg bulk protein will be supplied in solution or lyophilized form.	Per Protein	850000
GMOL-08A	Bulk Protein expression and purification, in Mammalian Host Includes: Cloning of Target gene in the expression vector, Expression analysis in the host, Purification of the protein will be supplied in solution or lyophilized form. protein and characterization by SDS-PAGE. 1-2mg bulk protein will be supplied in solution or lyophilized form.	Per Protein	1020000
GMOL-09	Custom protein expression analysis by SDS PAGE and Coomassie stain (E.Coli expression system)	Per Gel Analysis	19800

Proteomics Services

GMOL-16	Standard 2-Dimensional SDS-PAGE, electronic photo and file will be provided	Per Gel Analysis	150000
GMOL-17	Standard 2-Dimensional SDS-PAGE, electronic photo and file will be provided	Per Two Gel Analysis	270000
GASA01	Custom Peptide Synthesis (Price per amino acid for peptide of 6-30 amino acids*)		

Quantity**/ Purity	Desalt	>70%	>75%	>80%	>85%	>90%	>95%	>98%	Price in ₹
1-4 mg	1200	1590	2040	2040	2640	2910	3150	4710	Price in ₹
5-9 mg	1410	1890	2340	2760	3150	3450	3690	5550	Price in ₹
10-14 mg	1590	2460	2760	3180	3690	4050	4350	6510	Price in ₹

* Please inquire for peptides shorter than 6mer and longer than 30mer

** Large scale, unusual, and difficulty peptides are available upon request

GASA03	Polyclonal antibody development upto 1 mg Includes: QC check, control sera isolation, immunization, total sera collection, antibody titre checking by ELISA Supply of preimmune and immunised sera upto 1ml to customer	Per Antibody	75000
GASA05	Supply of additional 1 mg protein	Per Sample	30000
GASA07	Affinity purification of Antibody by protein A/G column, 1mg		25000
GASA08	QC check (IP, WB, ELISA)		POR
PORGASA09	Western Blot-Check		20,000



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Proteomics Services			
GASA09	Transient transfection service	Per service project	POR
GASA10	Stable transfection service	Per service project	POR
GASA11	Antibody fragmentation, 1 mg	Per Antibody	20,000
GASA12	Antibody Labeling, 1 mg	Per Antibody	45,000
GASA13	Custom vector designing	per base	100

Cat.#	Service Description	Specification	Pack Size	Price in ₹
DNA Sequencing Services				
GDP-177	Primer-walking and sequencing	Single-stranded	Per bp	5
GDP-177A	Primer-walking and sequencing	Double-stranded	Per bp	6
GDP-182	Sequencing Native bacterial Plasmids		Per bp	8
GSNP-02	SNP detection and data analysis	Sequencing-based protocol, homozygosity / heterozygosity marked on peak data, reference data required	Per 500 bases	7,500
GSNP-03	SNP detection and data analysis (Charges apply, if PCR fails even after repeated attempts)	SNP discovery and genotyping analysis (for single-plex analysis)	Per 500 bases	7,500

Microbial (Bacterial/ Fungal/ Yeast) Identification by Sequencing Analysis

GDP-178	16S rDNA Sequencing with gene-specific primers* (Complete Aligned sequence data	Complete report generation includes: of ~ 1500 bp provided) ● genus and species level identification with top sixteen matches; ● raw consensus sequencing report with *ab1 chromatograms; t phylogenetic tree, distance matrix and multiple sequence analysis report generated using MEGA software.	Per isolate	15,000
GDP-178A	16S rDNA Sequencing with gene-specific primers* (Complete Aligned sequence data of ~ 1500 bp provided)	Report generation includes: ● Raw consensus sequencing report with *ab1 chromatograms;	Per isolate	12,000

Custom Services

Cat.#	Service Description	Specification	Pack Size	Price in ₹
GDP-179	18S rDNA Sequencing with gene-specific primers* (Complete Aligned sequence data of ~ 1500 bp provided)	Complete report generation includes: <ul style="list-style-type: none"> ● Genus and species level identification with top sixteen matches; ● Raw consensus sequencing report with *ab1 chromatograms; ● Phylogenetic tree, distance matrix and multiple sequence analysis report generated using MEGA software. 	Per isolate	15,000
GDP-179A	18S rDNA Sequencing with gene-specific primers* (Complete Aligned sequence data of ~ 1500 bp provided)	Report generation includes: <ul style="list-style-type: none"> ● raw consensus sequencing report with *ab1 chromatograms; 	Per isolate	12,000
GDP-183	ITS sequencing with gene-specific primers* (Aligned sequence data of ~ 500 bp Provided)	<ul style="list-style-type: none"> ● Complete report generation includes: Per Isolate genus and species level identification with top sixteen matches; ● Raw consensus sequencing report with *ab1 chromatograms; ● Phylogenetic tree, distance matrix and multiple sequence analysis report generated using MEGA software. 	Per Isolate	15,000
GDP-183A	ITS sequencing with gene-specific primers* (Aligned sequence data of ~ 500 bp Provided)	Report generation includes: <ul style="list-style-type: none"> ● Raw consensus sequencing report with *ab1 chromatograms; 	Per Isolate	12,000

*Culture on slant or glycerol stock, media and growth conditions

GDP-184	Unknown gene sequencing (from reported homologous sequences, 5' & 3' RACE, up to 2 Kb)		per sample	400000
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Custom Genotyping Services

Genotyping / Fingerprinting Services

GPOL-02	AFLP Fragment Analysis	Fluorescent-labeled AFLP samples sized	Per Run	7,500
GPOL-02A	Genotyping by AFLP	Starting from genomic		POR
GFRG-03	Multi-Locus Sequencing Typing (MLST) 20-40 µg of gDNA,	Allelic profiles of house-keeping genes and related		





Custom Services

Cat.#	Service Description	Specification	Pack Size	Price in ₹
	with OD260/280 1.8 to 2.0; Customer have to provide details regarding t house keeping gene and reference genome	bioinformatics analysis	Per sample	19,800
GFRG-05	Mitochondrial Sequencing to study human diseases such as diabetes, certain cancers, and mechanisms of aging and population genetics and biodiversity assessments	short mtDNA amplicons which range in size from 100 bases to 350 bases and sequencing analysis	Per target	5,500
GPOL-03	Genotyping by SSR/ STR analysis (min. 5 samples with 5 markers), AGE Based		each project	24,000
GPOL-04	Genotyping by AFLP (min. 5 samples with 5 markers), AGE Based		each project	35,000
GPOL-05	Genotyping by RAPD (Non- Fluorescent primer) (min. 5 samples with 5 markers), AGE Based		each project	12,000

Genotyping Analysis with Bioinformatics Support

GNS019	Setup charges includes Project design Primer synthesis (desalted standard) PCR optimization DNA isolation, purification, quality check			2,00,000
GNS019A	PCR Reaction and quality check		70	70,000
GNS019B	Agilent Bioanalyzer based analysis		100	1,00,000
GNS019C	ABI Genetic analyzer based analysis- (Modified primer will be provided on additional standard market price)		180	1,80,000
GNS019D	Signature allele identification and sequencing- (double pass) upto 100 sequences.			25,000
GNS019E	Bioinformatics analysis: Genetic Profiling of germplasm for geographical; Identification and biodiversity analysis; Germplasm Mapping analysis; QTL analysis (morphological data provided by customer); Biodiversity analysis; Phylogenetic tree construction; Clustering of population Statistical analysis for population study; Parental evaluation; Marker assisted profiling			3,00,000
GNS020	Setup charges: For Large population analysis (Upto 100 samples) Includes Project design; Primer synthesis (desalted standard); PCR optimization			3,00,000

Custom Services

Custom PCR based Diagnostic Kit Development

Custom PCR based diagnostic kit development for detection of pathogens is provided comprising a DNA polymerase, dNTP's, a buffer, oligonucleotide primer capable of amplifying a target nucleic acid sequence of interest and a plurality of calibrated droppers. Use of calibrated droppers avoids the need for automatic and semi-automatic liquid handling device while performing nucleic acid amplification.

- ✓ **High sensitivity & accuracy.**
- ✓ **Save time: Replace traditional days culture testing with the rapid PCR Test.**
- ✓ **Minimize the risk of false negatives and false positives.**

Specifications:

- Contamination detection
- Laboratory diagnosis
- Species identification

Cat.# GDK028

Service Description:

- Nucleic acid isolation from pathogens causing human diseases, animal diseases and zoonotic diseases
- Amplification optimization with most conserved disease markers
- Quality confirmation through agarose gel analysis and/ or color modification after amplification
- Direct PCR optimization from the crude samples and disease confirmation through color change

Service Cost* (per project basis):

₹ 16,72,800 (*this service includes project setup charge, process optimization and validation on real diseased samples, part by part cost will be informed on request, cost will be varied upon project complexity and time line)

Custom RT-PCR based Diagnostic Kit Development

GCC Biotech has been developed a wide variety of different Real Time PCR Diagnostic Kits for the research use, including human diseases, animal diseases and zoonotic diseases PCR Diagnostic Kits. Based on PCR technique, these kits offer a quick, sensitive and accurate detection. These PCR Diagnostic Kits shows a high coincidence with traditional methods, but with analysis in a few hours rather than days.

Features:

- High sensitivity
- High specificity
- Short operating time
- Good stability

Specifications:

- Contamination detection
- Laboratory diagnosis
- Species identification

Cat.# GDK029

Service Description:

GCC's real time RT-PCR kit is used for the detection of diseases from serum, plasma or stool samples by using real time PCR systems. The kit contains a specific ready-to-use system for disease detection by Reverse Transcription Polymerase Chain Reaction (RT-PCR) in the real-time PCR system. The master contains reagents for the specific amplification of disease RNA including genotype I, II and III. The reaction is done in one step real time RT-PCR. The first step is a reverse transcription (RT): disease RNA is transcribed into cDNA. Then, a thermostable DNA polymerase is used to amplify the specific gene fragments by polymerase chain reaction. Fluorescence is emitted and measured by the real time systems' optical unit.

Service Cost* (per project basis):

₹ 19,69,780 (*this service includes project setup charge, process optimization and validation on real diseased samples, part by part cost will be informed on request, cost will be varied upon project complexity and time line)



Custom Services

Cat.#	Service Description	Specification	Pack Size	Price in ₹
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Micro-satellite Marker Development

GNS021	Marker Development Charge		Each Marker	10000
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DNA Barcoding Services

GNBS027	DNA Barcoding Service (per two targets)		Each Sample	17890
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DNA barcoding can serve a dual purpose as a new tool in the taxonomists toolbox supplementing their knowledge as well as being an innovative device for non-experts who need to make a quick identification. The gene region that is being used as the standard barcode for almost all animal like identifying birds, butterflies, fish, flies and many other animal groups and chloroplast, matK and rbcL, have been approved as the barcode regions for plants.

Total service support on barcoding projects which is having four components,

- The Specimens
- The Laboratory Analysis
- The Database
- The Data Analysis

Chemical Profiling Service

GCHM-01	HPLC based Small Molecule Quantification		per sample	1,50,000
GCHM-02	HPLC-LCMS based Metabolomics Analysis		per sample	15,00,000
GCHM-03	Plant Profiling (HPLC based)		per sample	20,00,000
GCHM-04	Cell Profiling (HPLC based)		per sample	15,00,000
GCHM-05	Analytical Service charges for Mass Spectrometry		per sample	2800
GCHM-06	Analytical Service charges for LCMS		per sample	4,000
GCHM-07	Analytical Service charges for HPLC		per sample	3,200
GCHM-08	Preparative Service charges for HPLC		per sample	25,000
GCHM-09	Analytical Service charges for 1H NMR (CDCl ₃), 500 MHz		per sample	2,800
GCHM-10	Analytical Service charges for 1H NMR (DMSO-d ₆), 500 MHz		per sample	3,600
GCHM-11	Analytical Service charges for 1H NMR (MeOD-d ₄), 500 MHz		per sample	3,600
GCHM-12	Analytical Service charges for 1H NMR (D ₂ O), 500 MHz		per sample	3,600
GCHM-13	Analytical Service charges for 13C NMR(CDCl ₃), 500 MHz, up to 1hr.		per sample	7,200
GCHM-14	Analytical Service charges for 13C NMR(DMSO-d ₆), 500 MHz, up to 1hr.		per sample	8,000
GCHM-15	Analytical Service charges for 13C NMR(MeOD-d ₄), 500 MHz, up to 1hr.		per sample	8,000
GCHM-16	Analytical Service charges for 13C NMR(D ₂ O), 500 MHz, up to 1hr.		per sample	8,000

Organic Chemistry

G7931	New molecule		10 - 100 mg	POR
G7932	Known molecule		10 - 100 mg	POR
G7933	Known molecule		>100 mg	POR



Next Generation Sequencing Services

Cat.#	Specification	Data output	Deliverable	Starting Material	Read Lenght	Price in ₹
GNGS-55	Draft sequencing of bacteria/ virus/ fungi by mechanical shearing process from purified genomic DNA	10 Mb to 100 Mb	gDNA gDNA QC genomic library report	purified gDNA	200–300bp	10,1164
GNGS-82					350-450bp	11,4664
GNGS-56		100 Mb to 500 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	14,8733
GNGS-83					350-450bp	17,4233
GNGS-57		600 Mb to 2.0Gb	gDNA QC and genomic library report	purified gDNA	200–300bp	22,0301
GNGS-84					350-450bp	23,3801
GNGS-58R	Reference assisted sequencing or 10 Mb to targeted sequencing of bacteria / virus/ fungi by enzymatical shearing process from purified gDNA	gDNA QC and 100 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	9,8042
GNGS-85R					350-450bp	11,1542
GNGS-59R		100 Mb to 500 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	15,7613
GNGS-86R					350-450bp	17,1113
GNGS-60R		600 Mb to 2.0 Gb	gDNA QC and genomic library report	purified gDNA	200–300bp	21,7181
GNGS-87R					350-450bp	230681
GNGS-58	Draft sequencing of bacteria / virus/ fungi by enzymatical shearing process from purified gDNA	10Mb to 100 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	9,8042
GNGS-85					350-450bp	11,1542
GNGS-59		100 Mb to 500 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	15,7613
GNGS-86					350-450bp	17,1113
GNGS-60		600 Mb to 2.0 Gb	gDNA QC and genomic library report	purified gDNA	200–300bp	21,7181
GNGS-87					350-450bp	230681
GNGS-55R	Reference assisted and sequencing or targeted sequencing of bacteria/ virus/ fungi by mechanical shearing process from purified gDNA	10 Mb to 100 Mb	gDNA gDNA QC genomic library report	purified gDNA	200–300bp	10,1164
GNGS-82R					350-450bp	11,4664
GNGS-56R		100 Mb to 500 Mb	gDNA QC and genomic library report	purified gDNA	200–300bp	12,3944
GNGS-83R					350-450bp	17,4233
GNGS-57R		600 Mb to 2.0Gb	gDNA QC and genomic library report	purified gDNA	200–300bp	18,3584
GNGS-84R					350-450bp	23,3801
GNGS-61	Targeted Amplicon Sequencing:without multiplexing	10 Mb to 100 Mb	gDNA gDNA QC genomic library report	purified gDNA	200–300bp	10,1164
GNGS-88					350-450bp	11,4664
GNGS-62	For Multiplexing each sample will have additional Rs. 12000	100 Mb to 500 Mb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	16,0733
GNGS-89					350-450bp	17,4233
GNGS-63		600 Mb to 2.0Gb	gDNA DNA QC,amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	22,0301
GNGS-90					350-450bp	23,3801

Price List 2017-18

SERVICES



Next Generation Sequencing Services

Cat.#	Specification	Data output	Deliverable	Starting Material	Read Langht	Price in `
GNGS-64	Microbial 16S rRNA/ 18S rRNA/ ITS region Ion Tag and community-Metagenome analysis	10 Mb to 100 Mb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	13,3501
GNGS-91					350-450bp	14,7001
GNGS-65		100 Mb to 500 Mb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	19,0234
GNGS-92					350-450bp	20,3734
GNGS-66		600 Mb to 2.0Gb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	24,6965
GNGS-93					350-450bp	26,0465
GNGS-109	Whole metagenome sequencing and analysis	gDNA QC and 100 Mb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	9,8042
GNGS-110					350-450bp	11,1542
GNGS-111		100 Mb to 500 Mb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	15,7613
GNGS-112					350-450bp	17,1113
GNGS-113		600 Mb to 2.0 Gb	gDNA QC, amplicon quality and genomic library report	purified gDNA or amplicon	200–300bp	21,7181
GNGS-114					350-450bp	230681
GNGS-67	Draft sequencing of mitochondrial DNA by enzymatic shearing process	10Mb to 100 Mb	gDNA QC and genomic library report	Tissue sample (4 multiplexing)	200–300bp	15,5626
GNGS-94					350-450bp	17,9626
GNGS-68		100 Mb to 500 Mb	gDNA QC and genomic library report	Tissue sample (4 multiplexing)	200–300bp	21,5195
GNGS-95					350-450bp	25,1195
GNGS-69		600 Mb to 2.0 Gb	gDNA QC and genomic library report	Tissue sample (4 multiplexing)	200–300bp	27,4765
GNGS-96					350-450bp	32,2765

Soil metagenome analysis

Classification of soil microbial communities by amplification of the ribosomal RNA, spacer regions for agricultural point of view. Deliverable will be reproducible site-specific metagenomic DNA profiles, which in turn were employed for successful discrimination of visually similar soil samples collected from different locations.

Cat #	Specification	Data output	Deliverable	Starting Material	Read Langht	Price in `
GNGS-120	Microbial 16S rRNA/ 18S rRNA/ ITS region Ion Tag and community-Metagenome analysis	100 to 500 Mb	gDNA QC, amplicon quality, and genomic; library report, total bioinformatics support	purified gDNA	350-400bp	4,99,412





Chemical Profiling

What we offer

We provide customized analytical solutions for identification, quantification, screening and profiling of small molecules and macromolecules in a variety of sample matrices including plant, insect, animal and human tissues. Areas of expertise include the determination of biomarkers and metabolite pathways, other bioproduct development, and screening for environmental contaminants and metabolites through HPLC and LCMS*. We also provide support for quality assurance and quality control (QA/QC) method development and validation.

*** Cost will varied depending upon sample's structure complexity, please converse with the technical experts before sample processing.**



HPLC Molecule Quantification

Cat. #	Experiment	Pack Size	Price ₹
GCHM-01	HPLC based Small Molecule Quantification	Per Sample	1,50,000
GCHM-02	HPLC-LCMS based Metabolomics Analysis per sample	Per Sample	15,00,000
GCHM-03	Plant Profiling (HPLC based)	Per Sample	20,00,000
GCHM-04	Cell Profiling (HPLC based)	Per Sample	15,00,000



Analytical Service charges for MASS and LCMS

Cat. #	Experiment	Pack Size	Price ₹
GCHM-05	Analytical Service charges for Mass Spectrometry	Per Sample	2,800
GCHM-06	Analytical Service charges for LCMS	Per Sample	4,000



Analytical Service charges for HPLC

Cat. #	Experiment	Pack Size	Price ₹
GCHM-07	Analytical Service charges for HPLC	Per Sample	3,200
GCHM-08	Preparative Service charges for HPLC	Per Sample	25,000

Analytical Service charges for NMR (500 MHZ)

Cat. #	Experiment	Pack Size	Price ₹
GCHM-09	Analytical Service charges for 1H NMR (CDCl ₃), 500 MHz	Per Sample	3,600
GCHM-10	Analytical Service charges for 1H NMR (DMSO-d ₆), 500 MHz	Per Sample	3,600
GCHM-11	Analytical Service charges for 1H NMR (MeOD-d ₄), 500 MHz	Per Sample	3,600
GCHM-12	Analytical Service charges for 1H NMR (D ₂ O), 500 MHz	Per Sample	3,600
GCHM-13	Analytical Service charges for 13C NMR(CDCl ₃), 500 MHz, up to 1hr	Per Sample	7,200
GCHM-14	Analytical Service charges for 13C NMR(DMSO-d ₆), 500 MHz, up to 1hr	Per Sample	8,000
GCHM-15	Analytical Service charges for 13C NMR(MeOD-d ₄), 500 MHz, up to 1hr.	Per Sample	8,000
GCHM-16	Analytical Service charges for 13C NMR(D ₂ O), 500 MHz, up to 1hr.	Per Sample	8,000

