

YOUR OWN MOLECULAR BIOLOGY LAB



PRICE LIST -

CENTYLE BIOTECH'S CONTRACT RESEARCH SERVICES & PRODUCTS

RECOGNIZED BY



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GENOMICS PROTEOMICS & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
DNA SEQUENCING SERVICES				
CBSEQ 1*	DNA sequencing single pass for Purified PCR product or plasmid DNA (500-600 bp sequence data from single pass reaction using ABI BDT v3.1 Cycle Sequencing kit)	Purified PCR product / Purified plasmid DNA. If miniprep kit is used we recommend to perform re-precipitation using ethanol before submitting plasmid for sequencing	660	Per reaction (For than less 100 samples)*
CBSE Q2	PCR product purification and sequencing single pass reaction (500-600 bp sequence data from single pass reaction using ABI BDT v3.1 Cycle Sequencing kit)	Unpurified PCR product	1425	Per reaction (For than less 100 samples)
CBSE Q3	Plasmid DNA isolation from clones and DNA sequencing single pass (500-600 bp sequence data from single pass reaction using ABI BDT v3.1 Cycle Sequencing kit)	Cloned culture on plate/stab supplemented with antibiotic, Pure , isolated culture is must for good quality data	1425	Per reaction (For than less 100 samples)
CBSE Q4	Plasmid DNA isolation from clones and DNA sequencing double pass (500-600 bp sequence data from each single pass reaction using ABI BDT v3.1 Cycle Sequencing kit)	Clones on plate/stab supplemented with antibiotic, Pure , isolated culture is must for good quality data	2000	Per reaction (For than less 100 samples)
CBSE Q5	Gel Elution of PCR product and DNA sequencing (500-600 bp sequence data from single pass reaction using ABI BDT v3.1 Cycle Sequencing kit)	Unpurified PCR product	1680	Per reaction (For less than 100 samples)
CBSE Q6	PCR and sequencing (500-600 bp sequence data from single pass reaction using ABI BDT v3.1 Cycle Sequencing kit	Template DNA (plasmid/genomic DNA) and amplifying primers, PCR conditions provided	2550	Per reaction (For less than 100 samples) Failed PCR will also be charged full
CBSE Q7	Sequence assembly (DNA sequence assembly using multiple overlapping fragments generated via primer walking; internal primer sequencing, contig sequencing; etc)	DNA sequences – Chromatogram or FASTA format sequences	950	Per sequence
CBSE Q8	Manual Basecalling /Basecall editing (Basecalling and base editing, trimming of sequences using validated tools for final sequence confirmation, submission purposes)	DNA sequences – Electropherograms	950	Per sequence
CBSE Q9	Failed Sequencing reaction (A sequencing reaction that does not generated quality sequence data resulting as 'Failed reaction')	Sequencing samples	350	Per reaction
CBSEQ9 A	Purification of Sample	PCR product	200	Per Sample
CBSEQ 11	Genomic DNA preparation from biological specimen – Yield of DNA up to 5 microgram. Yield may vary based on specimen type	Microbial cultures, environmental sample, blood, serum, plasma, tissue, plant specimen, soil, algae, higher eukaryotes, insect, etc.	750	Per sample
CBSEQ 12	Optimization of PCR for gene specific amplification – For SNPs, microsatellite, homologous or novel genes	Reference sequence of the gene or specific requirement from client	Price on request	Price on request Price varies depending upon type of PCR and gene to be amplified
CBSEQ 13	Adaptor ligation mediated PCR and gene sequencing (Design of anchored adaptors, primers, PCR optimization and gene sequencing)	Sequencing of gene present using site specific adaptor ligation and further gene amplification to determine 5' and 3' end sequence of gene	Price on request	Price on request Price varies depending upon type of PCR and gene to be amplified

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
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PRIMER WALKING SERVICES

CBSEQ14	Primer walking single strand- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or harboring plasmid culture of clone	6	Per base
CBSEQ14A	Primer walking single strand for AT or GC rich sequences- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or harboring plasmid culture of clone	8	Per base
CBSEQ15	Primer walking double strand- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or harboring plasmid culture of clone	8	Per base
CBSEQ15A	Primer walking double strand for AT or GC rich sequences- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or harboring plasmid culture of clone	9	Per base

EXTRA-CHROMOSOMAL DNA/PLASMID RESEARCH SERVICES

CBSEQ16	Isolation of cloned plasmid from bacterial culture	Clones on suitable media	110	Per clone
CBSEQ17	Isolation of native wild type plasmid DNA from bacterial isolate	Pure and fresh bacterial culture	1650	Per culture
CBSEQ18	Restriction mapping of native wild type plasmid	Pure and fresh bacterial culture	16500	Per plasmid
CBSEQ19	Sequencing of Native bacterial plasmid	Pure plasmid	11	Per base

SSCP SERVICES

CBSEQ20	SSCP primer design	Transcript ID, reference sequence	6000	Per primer pair
CBSEQ21	SSCP analysis	Transcript ID, reference sequence	6000	Per sample

DNA CLONING SERVICES

CBSEQ22	PCR amplification and cloning of product up to 500 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	13100	Per cloning (For less than 4 samples)
CBSEQ23	PCR amplification and cloning of product up to 1000 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	19150	Per cloning (For less than 4 samples)
CBSEQ24	PCR amplification and cloning of product up to 1500 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	22800	Per cloning (For less than 4 samples)
CBSEQ25	PCR amplification and cloning of product up to 2000 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	28300	Per cloning (For less than 4 samples)
CBSEQ26	PCR amplification and cloning of product up to 2500 bp or more	Genomic DNA/PCR product/PCR primers/PCR conditions	Price on request	Per cloning
CBSEQ27	Full length cDNA cloning – cloning based on partial cDNA sequence information, homologous sequences or database sequence information	RNA in RNAlater or frozen tissue/other biological sample specified and acceptable for project	154500	Per cloning
CBSEQ28	Gene synthesis and cloning – synthesis of gene, cloning in E coli system, verification by sequencing and delivery of clone	Reference sequence of the gene (Size greater than 130 bp)	Price on request	Per gene per cloning
CBSEQ29	cDNA/EST/ Genomic DNA library preparation and sequencing of clones	Biological sample	Price on request	Per 1000 clones screened from library

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
IDENTIFICATION SERVICES				
CBSEQ10	Conserved Gene Sequencing- 16S rDNA, 18S rDNA or ITS region (Using Universal Primers) – deliverable only .ab1 sequences or sequence in FASTA format	Pure and isolated microbial culture on plate/slant. Pure plant sample	4000	Per 500 bases In case sample is mixed culture sequence will be chimeric and will be charged the same
CBSEQ10F	Conserved Gene Sequencing- 16S rDNA, 18S rDNA or ITS region (Using Universal Primers) – deliverable only .ab1 sequences or sequence in FASTA format; >1200 bases	Pure and isolated microbial culture on plate/slant Pure plant sample	5500	In case sample is mixed or contaminated culture sequence will be chimeric and will be charged the same.
CBSEQ10C	Conserved Gene Sequencing- 16S rDNA, 18S rDNA or ITS region (Using Universal Primers) – Per 500-700 bases sequence in FASTA format, Species name	Pure and isolated on microbial culture plate/slant Pure plant sample	5500	In case sample is mixed or contaminated culture sequence will be chimeric and will be charged the same.
CBSEQ10D	Express Microbial Identification- Conserved Gene Sequencing- 16S rDNA, 18S rDNA (Using Universal Primers) – >1100 bases sequence in FASTA format, BLAST result, Phylogenetic tree; distance matrix	Pure and isolated on microbial culture plate/slant Pure plant sample	7500	In case sample is mixed or contaminated culture sequence will be chimeric and will be charged the same.
CBSEQ10E	Microbial Identification- Conserved Gene Sequencing- 16S rDNA, 18S Express rDNA (Using Universal Primers) –Upto 500 bases sequence in FASTA format, BLAST result, Phylogenetic tree	Pure and isolated microbial culture	7500.00	Per Sample
CBSEQ30	Bacterial identification – partial 16S rDNA based (500 bp data) - Sequence and phylogenetic data with nearest matches	Pure isolate on plate	7700	Per culture
CBSEQ31	Bacterial identification – full length 16S rDNA based (1400 bp data) -Sequence and phylogenetic data with nearest matches	Pure isolate on plate	9350	Per culture
CBSEQ32	Actinomycetes identification – full length 16S rDNA based (1400 bp data) - Sequence and phylogenetic data with nearest matches	Pure isolate on plate	9350	Per culture
CBSEQ33	Archaeobacteria identification – full length 16S rDNA based (1400 bp data)- Sequence and phylogenetic data with nearest matches	Pure isolate on plate	9350	Per culture
CBSEQ34	Fungal or yeast identification – LSU rDNA based (800-1400 bp data) - Sequence and phylogenetic data with nearest matches	Pure isolate on plate	9350	Per culture
CBSEQ35	Fungal or yeast identification – ITS region based (400 -600 bp data) - Sequence and phylogenetic data with nearest matches	Pure isolate on plate	9350	Per culture

GENOMICS PROTEOMICS & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSEQ36	Algal / cyanobacterial identification – 18S rDNA based (750-1400 bp data) - Sequence and phylogenetic data with nearest matches	Pure culture/algae	7920	Per culture
CBSEQ37	Plant identification – 18S rDNA or ITS based (750-1400 bp data) - Sequence and phylogenetic data with nearest matches	Pure plant sample	7920	Per sample
CBSEQ38	Plant identification – maturase K gene sequencing based - Sequence and phylogenetic data with nearest matches	Pure plant sample	9350	Per sample
CBSEQ39	Fungal identification – TEF-1 α gene sequencing based - Sequence and phylogenetic data with nearest matches	Pure fungal sample	9350	Per culture
CBSEQ40	Fish/aquatic species identification using COI gene sequencing - Sequence and phylogenetic data with nearest matches	Specimen tissue sample	9350	Per sample
QUALITATIVE PCR/ REAL TIME PCR ANALYSIS				
CBSEQ41	Detection of eubacteria in sample	Environmental sample/culture	Price on request	Per sample
CBSEQ42	Detection of archaeobacteria	Environmental sample/culture	Price on request	Per sample
CBSEQ43	Detection of Sulphur reducing Bacteria	Environmental sample/culture	Price on request	Per sample
CBSEQ44	Detection Nitrogen Fixing Bacteria	Environmental sample/culture	Price on request	Per sample
CBSEQ45	Detection of Rubisco gene	Environmental sample/culture	Price on request	Per sample
CBSEQ46	Detection residual bacterial host strain DNA in formulations	Environmental sample/culture	Price on request	Per sample
CBSEQ47	Detection residual cell culture host strain DNA in formulations	Environmental sample/culture	Price on request	Per sample
CBSEQ48	Detection of bacteriophages in sample	Culture with plaques	Price on request	Per sample
QUANTITATIVE REAL TIME PCR ANALYSIS				
CBSEQ49	Quantification of eubacteria present in sample	Environmental sample/culture	Price on request	Per sample
CBSEQ50	Quantification of archaeobacterial present in sample	Environmental sample/culture	Price on request	Per sample
CBSEQ51	Quantification of residual bacterial host strain DNA in formulations	Environmental sample/culture	Price on request	Per sample
CBSEQ52	Quantification of residual cell culture host strain DNA in formulations	Environmental sample/culture	Price on request	Per sample
MICROBIAL COMMUNITY ANALYSIS				
CBSEQ56	Microbial diversity analysis using Terminal RFLP of amplified 16S rDNA from environmental sample	Sample for analysis	25000	First four samples 2370.00 Per sample for each sample after 4 samples
CBSEQ57	Microbial diversity analysis using Terminal RFLP of amplified 18S rDNA from environmental sample	Sample for analysis	25000	First four samples 2370.00 Per sample for each sample after 4 samples

GENOMICS PROTEOMICS & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSEQ58	Microbial diversity analysis using Terminal RFLP of amplified 16S rDNA and 18S rDNA from environmental sample	Sample for analysis	45900	First four samples 5060.00 Per sample for each sample after 4 samples
DNA FINGERPRINTING SERVICES				
CBSEQ59	RAPD analysis using 5 different primers – Bacteria, fungi, yeast, plant, insect, animals, etc.	Samples for analysis	9150	Per sample - Triplicate analysis done to confirm reproducibility of the fingerprint data
CBSEQ60	AFLP analysis using 5 different primer combinations – Bacteria, fungi, yeast, plant, insect, animals, etc.	Samples for analysis	9150	Per sample
CBSEQ61	Microsatellite marker analysis using fragment analysis - Plant, insect, animals, etc.	Samples for analysis- Microsatellite panel requirements	Price on request	Per sample
MOLECULAR MARKER DEVELOPMENT				
CBSEQ62	Development of ARMS PCR marker - ARMS primer design and validation	Samples for analysis	105500	Per genotype
CBSEQ63	Development of SCAR PCR marker – SCAR primer design and validation	Samples for analysis	105500	Per marker
READY TO RUN SERVICES				
CBSEQ64	Ready to load sequencing reactions	Clean up products - Formamide added product	Price on request	Per reaction
CBSEQ65	Ready to load capillary electrophoresis reactions	Fluorescent labeled PCR products	850	Per reaction
REAL TIME PCR SERVICES				
CBSEQ66	Estimation of copy number of transgene, relative quantification based on housekeeping gene expression data	Samples for analysis	25000	Per gene- Triplicate reactions to normalize the estimated copy number
CBSEQ67	Absolute quantification/ Gene expression profiling/ SNP and allelic discrimination using Real time PCR	Samples for analysis	Price on request	Per analysis
MOLECULAR BIOLOGY KITS				
CBMOLK01	DNA/ RNA Extraction Kit	Product from Qiagen, Promega, Thermo, NEB, Genei Labs,	Price on request	
CBMOLK02	PCR Master Mix	Genei, Fermenta, Takara, Reprocell, Qiagen, Promega	Price on request	
CBMOLK03	IVLTM Kit for Viral Sample collection kit	GeneOmbio, Tulip, Sigma	Price on request	
CBMOL04	Gel Purification Kits	Qiagen , Takara, Genei, Promega	Price on request	
CBMOL05	DNA & Protein Ladder	Qiagen, Promega, Takara, Fermenta Sigma	Price on request	
CONVENTIONAL ELECTROPHORESIS SERVICES				
CBSEQ68	Electrophoresis of DNA/RNA/ plasmid / PCR product on Agarose Gel	Samples	1000	Per 5 sample
CBSEQ69	SDS PAGE of isolated purified or crude protein in Mini – sub Gel	Sample	8000	Per 5 samples

GENOMICS PROTEOMICS & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
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MICROBIAL FERMENTATION TECHNOLOGY SERVICES

CBSEQ70	Strain improvement for production of particular product/ Pathway determination	Necessary data and strain for fermentation	Price on request	---
CBSEQ71	Media optimization for enhancing product formation	Necessary data and strain for fermentation	Price on request	---
CBSEQ72	Scale up: Lab Scale to pilot scale fermentation- Pilot scale to plant scale	Necessary data and strain for fermentation	Price on request	---

PLANT MOLECULAR BIOLOGY SERVICES

CBSEQ73	Plant ploidy level determination using Flow Cytometry	Control sample (preferably leaves) with known ploidy level and samples for analysis	6400	Per sample
CBSEQ74	Confirmation of transgene in cloning	Sample with transgene cloned	Price on request	Per sample

MOLECULAR BIOLOGY SERVICES

CBSEQ75	Determination of antibiotic resistance - (Plasmid / Chromosomal DNA encoded)	Necessary data and strain	Price on request	Per sample
CBSEQ76	Virulence Factors determination (Physiological methods, Cell lines, animal studies etc)	Necessary data and strain	Price on request	Per sample
CBSEQ77	Live – Dead / viability studies on bacteria	Necessary data and strain	Price on request	Per sample
CBSEQ78	Growth curve/ diauxy/ catabolite study repression services	Necessary data and strain	Price on request	Per sample

CELL BIOLOGY SERVICES

CBSEQ79	Gene Expression Studies – PCR arrays - REAL TIME PCR Platform	Necessary data and strain	Price on request	Per sample
CBSEQ80	Insect Identification – sequencing of mtDNA COI-I, COI-II and t-RNA leucine genes	Insect tissue	15750	Per sample

GENE SYNTHESIS

CBSEQ81	Gene synthesis with standard vector i.e pTOP Blunt V2 and pUC57 vector (cloning site) , pCR Vector	Gene Sequence to be synthesized	Price on request	Per gene
CBSEQ82	Gene synthesis with customized vector (Deliverables: Lyophilized E. coli with cloned plasmid)	Vector DNA needs to be given by client (4-5 ug) along with gene sequence and vector map	Price on request	Per gene
CBSEQ82 A	CRISPER GENE EDITING KITS	Product from Macrogen / NEB/ IDT / SIGMA / Qiagen	Price on request	
CBSEQ82 B	CRISPER BASED Gene Editing Enzyme and template gene	Product from Macrogen / NEB/ IDT / SIGMA/ Qiagen	Price on request	

GCMS, LCMS & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
ANALYTICAL SERVICES				
CBSEQ83	Qualitative LC-MS services Small Molecules Analysis (Molecules having mass less than 3200 Da)- Mass determination only using direct injection (No LC)	Sample solubility Polarity of molecules Expected molecular weight and formula	4000 per sample per polarity	ESI/APCI/ASAP Ionization source. MS spectra/report in pdf or excel
CBSEQ84	Qualitative LC-MS services Small Molecules Analysis (Molecules having mass less than 3200 Da)- MS/MS of two masses using direct injection (No LC)	Sample solubility List of m/z or mass for MS/MS	4500 per sample per polarity	ESI/APCI/ASAP Ionization source CID fragmentation
CBSEQ85	Qualitative LC-MS services Small Molecules Analysis (Molecules having mass less than 3200 Da)- Mass determination and separation using UPLC	Sample solubility Polarity of molecules Expected molecular weight and formula Client can provide their own method suitable for column.	7000 per hour per polarity	ESI/APCI Ionization source C column. Replicate analysis with additional charges
CBSEQ86	Qualitative LC-MS services Small Molecules Analysis (Molecules having mass less than 3200 Da)- Mass determination, Fragmentation (MS/MS) and separation using UPLC	Sample solubility Polarity of molecules Client can provide their own method suitable for column.	8000 per hour per polarity	ESI/APCI Ionization source Column: Method: Auto MS/MS of all major ions. Replicate analysis with additional charges
CBSEQ87	Qualitative LC-MS services Metabolites analysis (Molecules having mass less than 3200 Da) - Metabolite screening with exact mass (only MS)	Ready to inject sample extracted in solvent compatible with MS For powdered samples, solubility is required.	6000 per sample per polarity	ESI/APCI Ionization source with UPLC. Matching with METLIN database / Lipidmap / Database provided by client Replicate: similar charges
CBSEQ88	Qualitative LC-MS services Metabolites analysis (Molecules having mass less than 3200 Da) Untargeted Metabolomics (only MS)	Ready to inject sample extracted in solvent compatible with MS For powdered samples, solubility is required.	15000 per sample	ESI/APCI Ionization source with UPLC. Matching with METLIN database / Lipidmap / Database
CBSEQ89	Proteomics: (Biomolecules (protein/peptide) having mass more than 3200 Da) - Peptide mass fingerprinting, Identification with Spectrum Mill software	Proteolytic digest sample in buffer/solvent compatible with MS Or lyophilized sample	8000 per hour per sample	ESI/Nano ESI Ionization source with UPLC/ Nano flow LC
CBSEQ90	Proteomics: (Biomolecules (protein/peptide) having mass more than 3200 Da) Peptide Sequencing using data dependent LCMS/MS	Proteolytic digest sample in buffer/solvent compatible with MS Or lyophilized sample	8500 per hour per sample	ESI/Nano ESI Ionization source with UPLC/ Nano flow LC
CBSEQ91	Proteomics: (Biomolecules (protein/peptide) having mass more than 3200 Da) -Intact protein mass determination	Proteolytic digest sample in buffer/solvent compatible with MS Or lyophilized sample	10500 per hour per sample	ESI/Nano ESI Ionization source with UPLC/ Nano flow LC
CBSEQ92	Quantitative LC-MS services - Small Molecules quantitative analysis (Molecules having mass less than 3200 Da – Method Development	Standards or reference material Sample solubility Polarity of molecules Expected molecular weight and formula	8000 per hour per sample	ESI/APCI Ionization source
CBSEQ93	Quantitative LC-MS for small molecules using UPLC	Standards or reference material Sample solubility Polarity of molecules Expected molecular weight and formula	8500 per hour per sample	ESI/APCI Ionization source
CBSEQ94	Large molecules quantitative analysis (protein/peptide) having mass more than 3200 Da)- Method development	Standards or reference material Sample solubility Polarity of molecules Expected molecular weight and formula	8500 per hour per sample	ESI/Nano flow Ionization source

GCMS, LCMS, HPLC & ANALYTICAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSEQ95	Large molecules quantitative analysis (protein/peptide) having mass more than 3200 Da)- Quantitative LC-MS for large molecules using UPLC	Standards or reference material Sample solubility Polarity of molecules Expected molecular weight and formula	8500 per hour per sample	ESI source
CBSEQ96	Large molecules quantitative analysis (protein/peptide) having mass more than 3200 Da)- Quantitative LC-MS for large molecules using Nano Flow LC	Standards or reference material Sample solubility Polarity of molecules Expected molecular weight and formula	10,000 per hour per sample	Nano ESI source
CBSEQ97	GC-MS analysis	Sample solubility Expected molecular weight and formula	5500 per sample / 30 min	EI source NIST 2017 Library. Deliverable - GC Chromatogram NIST Library search for 10 peaks
CBSEQ98	GC-MS analysis of plant extract	Sample prepared in GC compatible solvent	8000 per hour per sample	EI source NIST 2017 Library. Deliverable - GC Chromatogram NIST Library search
CBSEQ99	Headspace GC-MS analysis	Expected molecular weight	5500 per sample / 30 min	EI source NIST 2017 Library. Deliverable - GC Chromatogram NIST Library search
CBSEQ100	GC-MS Method Development	Standards or reference material	8000 per hour per sample	EI source NIST 2017 Library. Deliverable - Valid method for quantitative analysis
CBSEQ101	Quantitative GC-MS	Standards or reference material	8000 per hour per sample	EI source NIST 2017 Library. Deliverable Quantitative analysis report
CBSEQ102	Qualitative HPLC	Per 30 min Run	3500 Per Sample	Chromatogram
CBSEQ103	Quantitative HPLC	Per 30 min Run with one standard	7000 Per Sample	Chromatogram and Detailed report

Product Details	Price	HSN Code	GST Charges
Liquid Wash 100 ml	65	3401	18%
Organic Soap 100gm	55	3401	18%
PPE Kit	450	3926	18 %
N95 Mask Per Piece	120	9020	18%
3ply Surgical Mask Pack of 100 piece	800	9020	18%
Surgical Gloves Pack of 100 piece	950	4015	18%
Pump Spray Machine	3000	3926	18%
Corona Killer – UV Machine	25000	85167920	18%
Sanitizer Dispenser	1900	3402	18%
Surface Cleaner – Viricidal	500	3402	18%
Cotton Face mask	110	5208	5%
Disposable Bins Pack of 100	200	3923	18%

NEXT GENERATION SEQUENCING SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
NEXT GENERATION SEQUENCING SERVICES				
CBSEQ102	Whole genome sequencing – Bacterial, Fungal, Bacteriophage, yeast, viral	Pure culture on plate, tissue in ethanol or nucleic acid (DNA/RNA) in recommended buffers	50000	Sequencing on Novaseq 6000 platform using TrueSeq DNA Nano library upto 3GB Data
CBSEQ103	Whole Exome Sequencing	Genomic DNA Seq upto 10X	240,000	Exome capture (SureSelect V5 or V6 post capture kit) & library construction
CBSEQ104	Mitochondrial Genome Seq / Chloroplast Genome Seq	Mitochondrial / Chloroplast enriched DNA sample	60,000	Sequencing on Novaseq 6000 platform using TrueSeq DNA Nano library
CBSEQ105	RNA sequencing	Total RNA in recommended buffer or ethanol (Minimum 6 samples)	45000	Illumina Sequencing - Novaseq, 150bp PE, Truseq stranded mRNA library upto 3GB Data
CBSEQ106	16S/18S/ITS Metagenomics	Environmental sample or Metagenomic DNA preparation	18,000	Sequencing on Novaseq 6000 platform using TrueSeq DNA Nano library 500MB Data
CBSEQ107	ChIP Sequencing	Genomic DNA (12 sample Minimum)	310,000	Sequencing on Illumina platform
CBSEQ108	Whole Genome Bishulphite Sequencing	Genomic DNA	500,000	Based on Data Size and Species Organism
Bioinformatics Analysis				
CBSEQ109A	Chip Seq & Epigenome Analysis Global Methylation profiling, CG Islands, Differentially Methylation	Data from Illumina, Pacbio or Thermofisher	60000 Per sample	Pricing based on data size
CBSEQ109B	Bioinformatics analysis – Whole Genome Sequence data assembly and annotation	WGS data upto 10GB data	30,000	Pricing based on size of genome, reference sequence and coverage
CBSEQ110A	Bioinformatics analysis – RNA seq data analysis, gene expression analysis	RNA seq data	25,000	Pricing based on number of reads and data size.
CBSEQ110B	De Novo Transcriptome Analysis Steps involved are Raw Data QC, Assembly, Annotation, Differential Gene Expression, Design of graphs, Pie-Charts, HeatMap's .		30,000	Pricing based on number of reads.
CBSEQ110C	De Novo Meta-Transcriptome Analysis : Steps involved are Raw Data QC, Assembly, Annotation, Classification of RNA Family and cumulative funcion, Top Biological functions, Gene Search, Differential Gene expression, Design of Graphs, Pie Chart, heat maps		35,000	Pricing based number of reads and Data Size.

GENOMICS & BIOINFORMATICS SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSEQ110D	Alignment based (BLAST based) Meta-Transcriptome Analysis (>70 Million Reads) Steps involved are Raw Data QC, Assembly, Annotation, Classification of RNA Family and cumulative function, Top Biological functions, Gene Search, Differential Gene Expression, Design of graphs, Pie-Charts, HeatMap's.		20,550.00	
CBSEQ110E	De Novo Analysis of small RNA(15-50 million reads) : Raw Data QC, Classification of small RNA Families (miRNA, siRNA, piRNA, etc), Annotation, binning into known and novel, functional prediction (target prediction), association with transcriptome (if needed), build network, Design of graphs, Pie-Charts, HeatMap's.		20,000.00	
CBSEQ110F	16S (v3-v4) Bacterial/ITS Fungal Metagenome Seq Analysis(0.5-2 Million reads): Raw Data, read clustering, Filtering of Chimera and PCR artifacts, classification of OTU's, functional association, rarefaction curve, estimation of diversity (alpha, beta & gamma), Design of graphs, Pie-Charts, HeatMap's.		6500.00	
CBSEQ110G	De Novo- Whole Metagenome Sequencing : Steps involved are Raw Data QC, Assembly, Annotation, Biological functions and top pathways, Custom gene-pathway search, draft assembly of individual bacterial genomes (if possible), Plasmid Search, Design of graphs, Pie-Charts, HeatMap's		25000	Pricing based on number of reads.
CBSEQ110H	Alignment based Whole Metagenome Sequencing : Steps involved are Raw Data QC, Ref. Database based Alignment, Annotation, Biological functions and top pathways, Custom gene-pathway search, draft assembly of individual bacterial genomes (if possible), Plasmid Search, Design of graphs, Pie-Charts, HeatMap's		20,000	Pricing based on number of reads.

GENOMICS & BIOINFORMATICS SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSEQ110I	Whole Genome Sequencing Analysis : Steps involved are Raw Data QC, Assembly using minimum 2 Assemblers and selection of the best k-mer and n50, Annotation using close reference, Gene Pathway analysis, completion of Draft using tools for scaffold stitching, submission of raw data to NCBI, Design of graphs, Pie-Charts, HeatMap's.		35,000	Pricing based on number of reads. Upto 15GB Data analysis
CBSEQ110J	Whole Genome Re-Sequencing Analysis: Steps involved are Raw Data QC, Alignment using BWA/Bowtie2, Annotation, indels ,CNV, SNV analysis Variant calling, annotation of variant, effects of variants and novel variant reporting, submission of raw data to NCBI, Design of graphs, Pie-Charts, HeatMap's .		25000	Pricing based on number of reads and Data Size.15GB Data Analysis
CBNGST001	Data analysis Training 3 Days	In any single application	12000	Certificate and complete analysis package
CBNGST001 A Class	Learner Genomics Data Science Training course Level 2(100% online) Duration 1 month Eligibility: Level 1 Cleared; Bash Scripting - II R Programming - I Statistical Genomics - I	ChIP Seq Elective: Whole Genome & Whole Exome Analysis	20000	
CBNGST001 B Class	Practitioner Genomics Data Science Training course Level3(100% online) Duration 45 days Eligibility: Level 2 Cleared; Python for Genomics Statistical Genomics - II Data Science with R -II	Elective: Whole Metagenome, sRNA Seq & GWAS	15000	
CBNGST001 Certificate	Pro Genomics Data Science Training course Level 4 (100% online) Duration 1 month Eligibility: Level 3 Cleared; Software Development for Biologists AI in Healthcare Machine Learning	Advanced NGS project at client facility	25000	
CBNGST001 GURU	Guru Genomics Data Science Training course Level 5 (100% online) Duration 1 month Eligibility: Level 4 Cleared; Cloud Solution Architect - Training	Custom Application Development and Cloud Deployment Hadoop, Spark & Scala Mongo DB & Node.js	35000	
MolS_mPWR_Cycler10	MolS_mPWR_Cycler10 Indigenously developed IoT based quantitative PCR with 24-36-48 Wells capacity with 3 colors detection (capable of 3-plex) in same run. Ramp Rate: + 5 Degrees C Per Second and -4 Degrees C. Temperature stability: 0.1 degrees error optimization.			Price on Request

PRIMER & OLIGO SYNTHESIS SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
OLIGO SYNTHESIS SERVICE				
CBSEQ111	Standard Oligo – Desalted or MOPC Purification	Oligo sequence	Free	Per Oligo
CBSEQ112	Standard Oligo Scale : 25 nanomol Length : 35 mer Purification: Desalted	Oligo sequence	25	Per base
	Scale : 50 nanomol Length : 130 mer Purification : MOPC purification	Oligo sequence	40	Per base
	Scale : 200 nanomol Length : 130 mer Purification : MOPC purification	Oligo sequence	130	Per base
	Scale : 1000 nanomol Length : 130 mer Purification : MOPC purification	Oligo sequence	175	Per base
	PAGE Purification Scale : 50 nanomol Scale : 200 nanomol Scale : 1000 nanomol	Oligo sequence	4072 4072 4508	Per oligo
	HPLC Purification: Scale : 50 nanomol Scale : 200 nanomol Scale : 1000 nanomol	Oligo sequence	4072 4072 4508	Per oligo
CBSEQ113	Modified Oligo	Oligo sequence with modification and purification requirements	Price on request	Price include – Oligo synthesis, labeling charges and purification charges separately
	Universal Primers/ Oligo for 16s / 18s and Sequencing Primers		1800 2800	5nmol (20ng) of >95% Pure Primer (Page Purification)
	Internal Modified and Labelled Oligo		Price on Request	
CBSEQ014	Peptide synthesis	Amino Acid Sequence provided by customer and Scale of synthesis and Quantity	Price on Request	Specification required

Soil Inputs and Biofertilizer

CBSNB001	Agro Fast 50Kg Packing	Organic Soil Input - NPK Cum Urea Mix	1800 Per Bag	Minimum Quantity 20 Ton and Transport cost will be Extra
CBSNB002	Vermicompost 50Kg Packing	Organic Fertilizer cum Vermicompost	1200 Per Bag	Minimum Quantity 20 Ton and Transport cost will be extra
CNSNB003	Coco Peat	Low EC Coco Peat	50 Per KG	Minimum Quantity 20 Ton and Transport cost will be extra
CBSNO001	Azotobacter Consortium Mix cum whole culture Extract	500 ml Liquid Packing Horticulture/ Garden Application	300 Per Bottle	

ANIMAL FEED & AGRICULTURAL SERVICES

CAT. NO.	SERVICE DETAILS	SAMPLE SPECIFICATIONS	PRICE	QUANTITY/ COMMENT
CBSNO002	Azospirillum Consortium Mix Cum whole culture Extract	500 ml Liquid Packing for Horticulture / Garden Application	300 Per Bottle	
CBSNO003	PSB Consortium Mix cum whole culture extract	500 ml Liquid Packing for Horticulture / Garden/ Greenhouse Application	300 Per Bottle	
CBSNO004	Rhizobium Consortium Mix cum whole culture extract	500 ml Liquid Packing for Horticulture / Garden / GreenHouse Application	300 Per Bottle	
CBSNO005	KMB Consortium Mix cum whole culture extract	500 ml Liquid Packing for Horticulture / Garden / GreenHouse Application	300 Per Bottle	
CBSNO006	ZSB Consortium Mix cum whole culture extract	500 ml Liquid Packing for Horticulture / Garden / GreenHouse Application	300 Per Bottle	
CBSNO007	Tricoderma Consortium Mix cum whole culture	500 ml Liquid Packing for Horticulture/ Garden / greenhouse application	300 Per Bottle	
CBSNO008	Metarhizium Sp. Mix cum whole culture - Pest Repellent	500 ml Liquid Packing for Horticulture/ Garden / greenhouse application	350 Per Bottle	
CBNO009	beuveria bassiana Sp. Mix cum whole culture - Insect Repellent	500 ml Liquid Packing for Horticulture/ Garden / greenhouse application	350 Per Bottle	
CBNO010	Run-Away : Animal Repellent Herbal Formulation	500 ml Liquid Packing for Horticulture/ Garden / greenhouse application	400 Per Bottle	

Animal Feed & Supplements

CBAF001	Animal Feed for Cattles - Pellet	50 KG Packing in Pellet form	1200 Per Bag	Minimum Quantity 5 Ton and Transport cost will be extra
CBAF002	Animal Feed for Cattles - Liquid	5 liter Packing	900 Per Packing	
CBAF003	feed for Fish - Pellet	50KG Packing in pellet form	1800 Per Bag	Minimum Quantity 5 Ton and Transport cost will be extra
CBAF004	Feed for Fish Liquid	5 liter packing	1200 Per Packing	
CBAF005	Feed for Pig - Pellet	50 kg Packing in pellet form	1800 Per bag	Minimum Quantity 5 Ton and Transport cost will be extra
CBAF007	Feed for Pig - Liquid	5 liter Packing	1500 Per Packing	
CBAF008	Feed for Poultry - pellet	50 kg Packing in Pellet form	1800 Per Bag	Min Quantity 5 Ton and Transport cost will be extra
CBAF009	Feed for Poultry - Liquid	5 Liter Packing	1500 Per Packing	
CBGE001	Potting Mix (Gardening Mix)	Packed in 50kg Bag	1800 per Bag	Minimum Quantity 10 Ton and Transport cost will be extra
CBGE002	Round Thermoform Plantation Pot	Available in different range including HDPE to Fiber (Pack of 12)	800 Per Box	Minimum 10 box
CBGE003	Gardening Stand	1X1 Meter Size Plastic made	1200	minimum 50 Piece
CBGE004	Gardening Tools Kit	Including 6 Equipment and 1 set of Gloves	1400	Minimum 5 Set

DIPP and Start-up India (Govt. of India) Certified Company.
MSME, FSSAI and Udhयोग Adhar Recognized Lab in
Uttarakhand.

CIN - U01100UR2018PTC009185

GSTIN – 05AAHCC8450E1ZT

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Ac Name – CENTYLE BIOTECH PRIVATE LIMITED

Bank Name- HDFC Bank Ltd.

Ac No- 50200039299939

IFSC – HDFC0000283

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