An ISO 9001 : 2008 Company

Innovate ®

Imbibe

Implement

aps Lifetech

Biopharma

Sequencing

Nanotech

NGS

Genomic

Bioinformatics

Molecular Biology

Fermentation

Microarray

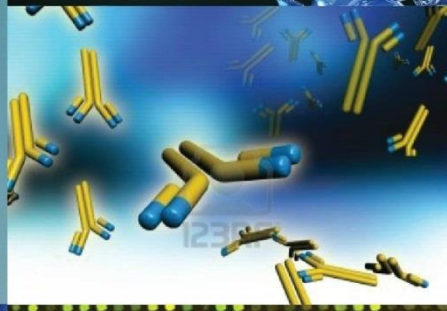
ATC

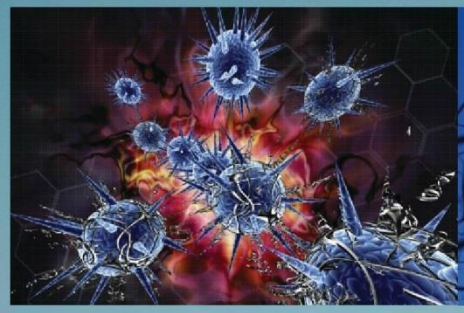
Proteomics

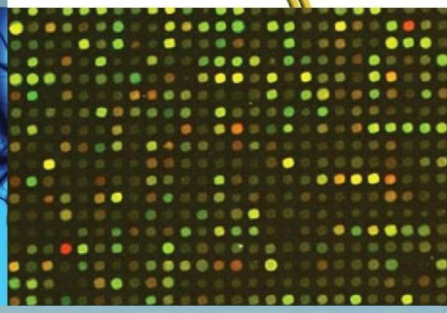
Process Validation

Turnkey Projects

CRO/CRAMS







Dear Customer

It gives us immense pleasure to introduce APS Lifetech as a one stop solution provider for Services in Life Sciences with its Head Office based in Pune, India.

APS Lifetech an ISO 9001:2008 certified NABL accredited Lab with team of efficient scientists with domain expertise.

Certified for handling full-fledged ATC and DRUG Discovery lab based at NOIDA and Genomic lab based in Pune.

We manufacture research product for Molecular Biology with brandname "APS LABS"

With our primary focus on Services and Consulting we also aim to partner for research Grade Innovative Products.

We at APS Lifetech look forward for consistent and sustainable growth with ethical values.

APS Lifetech offers following services:

We also offer hands on training for below applications:

- Microarray.
- NGS (Next Generation Sequencing)
- Flowcytometry.
- RT PCR, Genomic and Primers solution.
- Customised Project and Turnkey.
- Food Safety Testing.
- Clinical diagnostic.
- Environmental and Bio Analytical.
- ATC & Drug Discovery Platform.
- Animal House & Custom Antibodies solution.
- Peptide synthesis and sequencing.

We also offer following services*

Cell Line Development and Selection
Toxicology Studies
Formulation Development
Assay Development, Qualification, and Validation
Process Development
Bioanalytical Testing
GMP Lot Release Testing
Viral Clearance Evaluation
Analytical Services and Raw Materials Testing

Looking forward for your well wishes and extended support.

TEAM ---APS LIFETECH

Cat#	Service Details	Requirements from client / Sample specifications	Qty	Price List APS (INR)
DNA Sequencing services				
APSGQ1	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	**Per reaction (For less than 100 samples)**	550
APSGQ2	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	Per reaction(For less than 100 samples)	600
APSGQ3	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)	Clones on plate/stab supplemented with antibiotic, Pure , isolated culture is must for good quality data	Per reaction(For less than 100 samples)	650
APSGQ4	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	Per reaction(For less than 100 samples)	1200
APSGQ5	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	Per reaction(For less than 100 samples)	700
APSGQ6	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	Per reaction(For less than 100 samples)Failed PCR will also be charged full	1350

APSGQ7	Sequence assembly (DNA sequence assembly using multiple overlapping fragments generated via primary walking; internal primer sequencing, contig sequencing; etc)	DNA sequences – Electropherograms or FASTA format sequences	Per sequence	480
APSGQ8	Manual Basecalling /Basecall editing (Basecalling and base editing, trimming of sequences using validated tools for final sequence confirmation, submission purposes)	DNA sequences – Electropherograms	Per sequence	480
APSGQ9	Failed Sequencing reaction (A sequencing reaction that does not generated quality sequence data resulting as 'Failed reaction')	Sequencing samples	Per reaction	200
APSGQ10	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/slantPure plant sample	Per 500 bases In case sample is mixed or contaminated culture or sequence will be chimeric . It will be charged.	1350
APSGQ11	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.	Per sample	400
APSGQ12	Optimization of PCR for gene specific amplification – For SNPs, microsatellite, homologous or novel genes	Reference sequence of the gene or specific requirement from client	Per Gene	Price on Request
APSGQ13	Adaptor ligation mediated PCR and gene sequencing (Design of anchored adaptors, primers, PCR optimization and gene sequencing)	Sequencing of gene present in restriction digestion eluted fragment using site specific adaptor ligation and further gene amplification to determine 5' and 3' end sequence of gene	Per Gene	Price on Request

Primer walking services				
APSGQ14	Primer walking single strand- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or culture of clone harboring plasmid	Per base	3
APSGQ14a	Primer walking single strand for AT or GC rich sequences- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or culture of clone harboring plasmid	Per base	5
APSGQ15	Primer walking double strand- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or culture of clone harboring plasmid	Per base	5
APSGQ15a	Primer walking double strand for AT or GC rich sequences- Primer design, synthesis and sequencing, final alignment of data	Plasmid DNA or culture of clone harboring plasmid	Per base	5
Extra chromosomal DNA/Plasmid Research Services				
APSGQ16	Isolation of cloned plasmid from bacterial culture	Clones on suitable media	Per clone	80
APSGQ17	Isolation of native wild type plasmid DNA from bacterial isolate	Pure and fresh bacterial culture	Per culture	1350
APSGQ18	Restriction mapping of native wild type plasmid	Pure and fresh bacterial culture	Per plasmid	13500
APSGQ19	Sequencing of Native bacterial plasmid	Pure plasmid	Per base	8
SSCP Analysis				
APSGQ20	SSCP primer design	Transcript ID, reference sequence	Per primer pair	4500
APSGQ21	SSCP analysis		Per sample	4500

DNA Cloning Services				
APSGQ22	PCR amplification and cloning of product up to 500 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	Per cloning (For less than 4 samples)	9900
APSGQ23	PCR amplification and cloning of product up to 1000 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	Per cloning (For less than 4 samples)	15000
APSGQ24	PCR amplification and cloning of product up to 1500 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	Per cloning (For less than 4 samples)	16000
APSGQ25	PCR amplification and cloning of product up to 2000 bp	Genomic DNA/PCR product/PCR primers/PCR conditions	Per cloning (For less than 4 samples)	21000
APSGQ26	PCR amplification and cloning of product up to 2500 bp or more	Genomic DNA/PCR product/PCR primers/PCR conditions	Per cloning	Price on Request
APSGQ27	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	Per cloning	88000
APSGQ28	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 200 bp)	Per base	90
APSGQ29	cDNA/EST/ Genomic DNA library preparation and sequencing of clones	Biological sample	Per 1000 clones screened from library	Price on Request

Identification Services				
APSGQ30	Bacterial identification – partial 16S rDNA based (500 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	6000
APSGQ31	Bacterial identification – full length 16S rDNA based (1400 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	8000
APSGQ32	Actinomycetes identification – full length 16S rDNA based (1400 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	8000
APSGQ33	Archaebacteria identification – full length 16S rDNA based (1400 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	8000
APSGQ34	Fungal or yeast identification – LSU rDNA based (800-1400 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	8000
APSGQ35	Fungal or yeast identification – ITS region based (400 -600 bp data)Sequence and phylogenetic data with nearest matches	Pure isolate on plate	Per culture	8000
APSGQ36	Algal (18S) / cyanobacterial identification(16S)-rDNA based (750-1400 bp data)Sequence and phylogenetic data with nearest matches	Pure culture/algae	Per culture	6500
APSGQ37	Plant identification – 18S rDNA or ITS based (750-1400 bp data)Sequence and phylogenetic data with nearest matches	Pure plant sample	Per sample	6900
APSGQ38	Plant identification – maturase K gene sequencing basedSequence and phylogenetic data with nearest matches	Pure plant sample	Per sample	8000
APSGQ39	Fungal identification – TEF-1α gene sequencing basedSequence and phylogenetic data with nearest matches	Pure fungal sample	Per culture	8000
APSGQ40	Fish identification using COI gene sequencingSequence and phylogenetic data with nearest matches	Fish tissue sample	Per sample	8000

Qualitative analysis				
APSGQ41	Detection of eubacteria in sample	Environmental sample/culture	Per sample	Price on request
APSGQ42	Detection of archaebacteria in sample	Environmental sample/culture	Per sample	
APSGQ43	Detection of Sulphur reducing bacteria	Environmental sample/culture	Per sample	
APSGQ44	Detection of Nitrogen Fixing bacteria	Environmental sample/culture	Per sample	
APSGQ45	Detection of Rubisco gene	Environmental sample/culture	Per sample	
APSGQ46	Detection residual bacterial host strain DNA in formulations	Environmental sample/culture	Per sample	
APSGQ47	Detection residual cell culture host strain DNA in formulations	Environmental sample/culture	Per sample	
APSGQ48	Detection of bacteriophages in sample	Culture with plaques	Per sample	
Qualitative analysis				
APSGQ49	Quantification of eubacteria present in Sample	Environmental sample/culture	Per sample	Price on request
APSGQ50	Quantification of archaebacteria present in Sample	Environmental sample/culture	Per sample	
APSGQ51	Quantification of residual bacterial host strain DNA in formulations	Environmental sample/culture	Per sample	
APSGQ52	Quantification of residual cell culture host strain DNA in formulations	Environmental sample/culture	Per sample	
Identification of bacteria in consortium				
APSGQ53	Identification bacteria from Biological/ Environmental sample based on 16S rDNA sequencing (500 bp data) – culturable bacteria (deliverables- identification report)	Biological/ Environmental sample	Per sequence identified	4500

APSGQ54	Identification bacteria from Biological/ Environmental sample based on 16S rDNA sequencing (500 bp data) – cloning based approach for unculturable organisms	Biological/ Environmental sample	Per 10 identifications	45000
APSGQ55	Identification bacteria from Biological/ Environmental sample based on 16S rDNA sequencing (500 bp data) – cloning based approach for unculturable organisms	Biological/ Environmental sample	Per 100 identifications	450000

Microbial community analysis - Determination of different type of microbes in consortium (predicts minimum number of different type of microbes present)				
APSGQ56	Microbial diversity analysis using Terminal RFLP of amplified 16S rDNA from Environmental sample	Sample for analysis	For First four samples.	17000 2000 Per sample post first 4 samples
APSGQ57	Microbial diversity analysis using Terminal RFLP of amplified 18S rDNA from Environmental sample	Sample for analysis	First four samples	17000 2000. Per sample post first 4 Samples
APSGQ58	Microbial diversity analysis using Terminal RFLP of amplified 16S rDNA and 18S rDNA from Environmental sample	Sample for analysis	First four samples	37000 4200. Per sample post first 4 Samples

DNA fingerprinting services				
APSGQ59	RAPD analysis using 5 different primers – Bacteria, fungi, yeast, plant, insect, animals, etc.	Samples for analysis	Per sample. Triplicate analysis done to confirm reproducibility of fingerprint data	500
APSGQ60	AFLP analysis using 5 different primer combinations – Bacteria, fungi, yeast, plant, insect, animals, etc.	Samples for analysis	Per sample	6000
APSGQ61	Microsatellite marker analysis using fragment analysis - Plant, insect, animals, etc.	Samples for analysis Microsatellite panel requirements	Per sample	Price on request
Molecular Marker development				
APSGQ62	Development of ARMS PCR marker – ARMS primer design and validation	Samples for analysis	Per genotype	90000
APSGQ63	Development of SCAR PCR marker – SCAR primer design and validation	Samples for analysis	Per marker	90000
Ready to Run Services				
APSGQ64	Ready to load sequencing reactions	Clean up products Formamide added product	Per reaction	Price on request
APSGQ65	Ready to load capillary electrophoresis reactions	Fluorescent labeled PCR products	Per reaction	450

Real time PCR Services				
APSGQ66	Estimation of copy number of transgene, relative quantification based on housekeeping gene expression data	Samples for analysis	Per gene Triplicate reactions to normalize the estimated copy number	19000
APSGQ67	Absolute quantification/ Gene expression profiling/ SNP and allelic discrimination using Real time PCR	Samples for analysis	Per analysis	Price on request
Conventional Electrophoresis Services				
APSGQ68	Electrophoresis of DNA/RNA/ plasmid / PCR product on Agarose Gel	Samples	Per 5 sample	450
APSGQ69	SDS PAGE of isolated purified or crude protein in Mini – sub Gel	Sample	Per 5 samples	1500
Microbial Fermentation Technology Services				
APSGQ70	Strain improvement for production of particular product/ Pathway determination	Necessary data and strain for fermentation	-	Price on request
APSGQ71	Media optimization for enhancing product formation	Necessary data and strain for fermentation	-	Price on request
APSGQ72	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				
APSGQ73	Plant ploidy level determination using Flow Cytometry	Control sample (preferably leaves) with known ploidy level and samples for analysis	Per sample	2500
APSGQ74	Confirmation of transgene in cloning	Sample with transgene cloned	Per sample	Price on request

BIO-ANALYTICAL Services				
APSGQ75	Sequence Analysis Service	N-terminal sequencing (Set up+15 residues perchain)	Per Sample	POR
APSGQ76	Sequence Analysis Service	Peptide Mapping	Per Sample	POR
APSGQ77	Sequence Analysis Service	Di-sulfide bridge analysis	Per Sample	POR
APSGQ78	Sequence Analysis Service	C Terminal sequencing using MS (included inpeptide map)	Per Sample	POR
APSGQ79	Physico Chemical Properties	Intact molecular mass using LC/MS (+/-glycosylation)	Per Sample	POR
APSGQ80	By MALDI TOF TOF	Amino Acid Analysis	Per Sample	POR
APSGQ81	By MALDI TOF TOF	High sensitivity analysis	Per Sample	POR
APSGQ82	By MALDI TOF TOF	Fluorescence Spec	Per Sample	POR
APSGQ83	By MALDI TOF TOF	FTIR	Per Sample	POR
APSGQ84	By MALDI TOF TOF	CD Analysis (Far UV/Near UV)	Per Sample	POR
APSGQ85	Carbohydrate Analysis	N Linked glycosylation site determination	Per Sample	POR
APSGQ86	Carbohydrate Analysis	N Linked glycosylation analysis	Per Sample	POR
APSGQ87	Carbohydrate Analysis	O Linked glycosylation site determination	Per Sample	POR
APSGQ88	Carbohydrate Analysis	O Linked glycosylation analysis	Per Sample	POR
APSGQ89	Carbohydrate Analysis	Monosaccharide analysis	Per Sample	POR
Genomic Services				
APSGQ90	OLIGO SYNTHESIS	0.01umole, 5-49bases	Per Sample	POR
APSGQ91	OLIGO SYNTHESIS	0.05umole, 5-120bases	Per Sample	POR
APSGQ92	Microarray		Per Sample	POR
APSGQ93	NGS		Per Sample	POR
APSGQ94	Gene Synthesis	Sequence Length<500bp	Per Sample	POR
APSGQ95	Gene Synthesis	Sequence Length501bp~1500bp	Per Sample	POR
APSGQ96	Gene Synthesis	Sequence Length1501bp~3000bp	Per Sample	POR
APSGQ97	Gene Synthesis	Sequence Length3001bp~5000bp	Per Sample	POR
APSGQ98	Gene Synthesis	Sequence Length>5000bp	Per Sample	POR
APSGQ99	Gene Synthesis	Gene Synthesis with Custom Cloning	Per Sample	POR

Proteomics Services				
APSGQ100	Peptide synthesis	Peptide synthesis without modification	Per Sample	POR
APSGQ101	Peptide synthesis	Peptide synthesis with modification	Per Sample	POR
APSGQ102	Peptide Sequencing		Per Sample	POR
APSGQ103	Polyclonal Antibody Service	**Express Recombinant Protein Polyclonal Antibody Service**	Per Sample	POR
APSGQ104	Polyclonal Antibody Service	**Express Recombinant Protein Monoclonal Antibody Service**	Per Sample	POR

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Veterinary Diagnostics

VETGENE PRICE LIST				
Name of test	**Code**	**Type of Sample**	**Turn around Time**	**Price**
Alpha S1 genotyping	AVG01	EDTA blood transported at 2-8 degree C	5 days	500
Kappa casein genotyping	AVG02	EDTA blood transported at 2-8 degree C	5 days	500
Beta Lactoglobulin genotyping	AVG03	EDTA blood transported at 2-8 degree C	5 days	500
Deficiency of Uridine Monophosphate Synthase (DUMPS)	AVG04	EDTA blood transported at 2-8 degree C	5 days	500
BLAD (Bovine Leukocyte Adhesion Deficiency)	AVG05	EDTA blood transported at 2-8 degree C	5 days	500
Factor XI Deficiency	AVG06	EDTA blood transported at 2-8 degree C	5 days	500
Citrullinemia	AVG07	EDTA blood transported at 2-8 degree C	5 days	500
Animal Karyotyping	AVG08	Heparin blood transported at 2-8 degree C	12 days	3000
Brucella Detection PCR Test	AVG09	EDTA blood, Serum or Milk	5 days	500
16S ribosomal analysis -milk microorganisms	AVG10	Milk	10 days	7500
Parentage Analysis by microsatellite Primers	AVG11	EDTA Blood	10days	6000/sample