



# **List of Services**

#### A - Molecular Services:

1	DNA Extraction	Per Sample
2	RNA Extraction	Per Sample
3	Convert RNA to cDNA	Per Sample
4	Protein Extraction	Per Sample
5	PCR Reaction (Minimum 4 Samples)	Per Sample
6	RT-PCR	Per Gene
7	DNA Gel Electrophoresis	Per Gel
8	Protein Gel Electrophoresis	Per Gel
9	The Cost of Using PCR Machine Only (The Researcher Brings Every Thing)	Per Run
10	The Cost of Using Real Time PCR Machine Only (The Researcher Brings	Per Run
10	Every Thing)	Per Kuli
11	PCR Cleanup	Per Sample
12	Incubate tissue culture growth in a growth chamber	Per Day
13	Millipore Water	Per liter
14	DNA typing 50x TAE	Per liter
15	ELISA Reader	per plate
16	Incubate cell culture growth in a CO2 incubator	per/day
17	Fluormeter (DNA-RNA-Protein)	Per Sample

## **B** - Bioinformatics Analysis Services:

1	Gel Documentation Analysis Plus Dendogram (Note: The Analysis is Done Per Gel)	Per Gel
2	Insilco Primer Design for Real Time PCR	One Pair
3	Insilco PCR and Primer Design	One Pair
4	Degenerate Primers and Insilco analysis	One Pair
5	Check for Uniqueness, Specificity and Stability of Designed Primers and Melting Temperature of PCR Product	One Pair
6	Editing and Base Calling Correction of Chromatogram Curve, DNA Sequencing ABI format and seq format	One Pair
7	Building Phylogenetic Tree By Different Tree Construction Algorithms	Per Sequence
8	Gene Prediction	Per Sequence
9	Gene Annotation for Genbank Submission	Per Sequence
10	Protein Homology Modeling from Single peptide chain to 3D and 3D Viewers of PDB File	Per Amino Acid Chain
11	Detection Conserved Domain Sequence	Per Amino Acid Chain
12	Predict a Protein Motif and Pro-Scan 3D	Per Amino Acid Chain
13	EST Assembly and Building Unigen	Per Sequence
		Per Sequence
14	Advanced Strategies of Using Blast	or Amino Acid
		Chain
15	Bio statistical Analysis	Per /test

### C - Tissue Analysis Services:

1	Tissue Processing and embedding	Per /Specimen
2	Cutting Section	Per /Slide
3	Hematoxylin & Eosin staining	Per/ Slide
4	Decalcification, tissue processing & embedding	Per/ Specimen
5	Special stain	Per /Slide
6	immunostaining with antibody	Per /Slide
7	immunostaining without antibody	Per/ Slide
8	Diagnosis, Written report, Stained Slide and photomicrograph	Per /Specimen
9	Ordinary Light Microscopy	per /sample
10	Polarized light Microscopy	per /Photo
11	Stereomicroscopy	per /Photo
12	Image Analysis	per/Image
13	IMAGE Analysis (PHOTO ONLY)	per /Photo
14	Positive Slide section (Paraffin)	Per/slide
15	tissue Processing and embedding and two slides - Hematoxylin & Eosin staining	per/ two slides
16	Micro tensile specimen, tooth 20 slice	per/20 slices
17	Micro tensile specimen, tooth 10 slice	per/10 slices
18	Thermocycler 500 cycle	per/500cycle
19	Thermocycler 1000 cycle	per/1000 cycle
20	Micro hardness 3 indentation	per/3 indentations
21	Slides save box- 25 slides	per/ box
22	Slides save box- 50 slides	per/box
23	Slides save box- 100 slides	per/box
24	Shear	per/rod
25	Tensile	per/rod
26	Student activity (Tissue processing, Cutting and Staining) Of Under graduate	Per /Slide

## **D** - General and Analytical Chemistry Services:

1	UP LC/MS-MS	Per Injection
2	HPLC	Per Injection
3	Dissolution profile of pharmaceutical dosage forms	Per/Day
4	Stability Cabinet	per/month
5	Spectrophotometer Only	Per/Sample
6	Freezer Dryer	Per/Day
7	Ultrasonic	Per/Sample
8	Anderson Cascade Impactor	Per/Run