



## بيان أسعار التحاليل الخاصة بأجهزة البيولوجيا الجزيئية و البايوناتوتكنولوجي

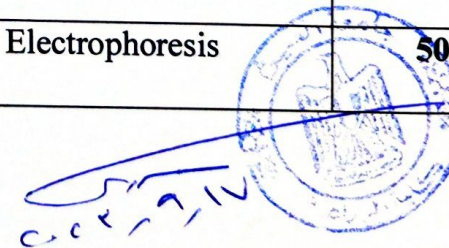
### بمعامل النيما تولوجي و البايوتكنولوجي

No.	Analysis	Name of device	Price
1	Microscopic examination	Microscopes	20/ slide
2	Cells and organisms in culture examination	Inverted Microscope	75/ slide
3	Magnification of samples	Stereo Microscope with Camera	100/ slide
4	Microscopical image analysis using confocal microscope	Confocal Microscope	150/ slide
5	Quantitative analysis of gene function	Real Time PCR	100 / run
6	Gel image analysis	Gel Doc. Systems	200 / gel
7	Gene amplification of nucleic acid	Traditional PCR	100/ run
8	Separate and quantify components of liquid samples	HPLC	Under Maintenance
9	Measuring nucleic acid and protein concentration	Nano-spectrophotometer OR gene quant	10 / sample
10	Measuring the amount of a known chemical substances	Spectrophotometer	According to the type of





			<b>quantitative analysis</b>
11	<b>Northern, western OR southern blotting</b>	Cross linker	<b>50/ gel</b>
12	<b>Nucleic acid OR protein hybridization</b>	Hybridization oven	<b>10/ sample</b>
13	<b>Genetic transformation</b>	Electroporator	<b>100/ run</b>
14	<b>UV for sterilized working area</b>	Laminar Flow Hood	<b>This device for the laboratory services</b>
15	<b>Samples centrifugation</b>	Cooling and regular centrifuges	<b>30 / run</b>
16	<b>Samples storage under -80 °C</b>	Deep freezer (-80)	<b>50 / rack / month</b>
17	<b>Converting the sample to nanoparticles</b>	Sonicator	<b>20 / sample</b>
18	<b>ELISA test</b>	Elisa system	<b>300 / run</b>
19	<b>Extraction and purification of nucleic acids</b>	DNA Extractor	<b>200 / sample (with kits)</b>
20	<b>Electrophoretic separation of nucleic acids</b>	Horizontal Electrophoresis	<b>50 / run</b>
21	<b>Electrophoretic separation of protein</b>	Vertical Electrophoresis	<b>50 / run</b>





22	Protein and proteomic analysis	Western Blotting Unit	This device was previously mentioned
23	Samples lyophilization	Freeze Dryer	20 /hr
25	Sample Digestion	Keldahel Digestion	50 / sample
26	Determine total nitrogen and total protein content	Keldahel Distillation	100 / sample
27	Sample slicing for microscope examination	Microtome	100 / sample
28	Particle dispersion to nano scale, cell lysis, liquid homogenization	Ultra-sonicator	20 / sample
29	Measuring metallic elements of pollutants	Atomic absorption spectrometer	Under processing
	Sample digestion for elements determination	Microwave digested system	Under processing
30	Protein separation according to isoelectric point	Isoelectric focusing	100/ run
32	Sterilization of tools	Autoclave	10 / tool
33	Neutral compounds extraction from plant tissue	Soxhlet	50 / sample (without solvents) 100/sample (with solvents)



٣٤	<b>Removal of solvents from samples</b>	Rotary vacuum evaporator	<b>50/ liter</b>
٣٥	<b>Shaking under certain temperatures</b>	Thermo Shaker	<b>This device for the laboratory services</b>
٣٦	<b>Measuring PH</b>	pH Meter	<b>This device for the laboratory services</b>
٣٧	<b>Drying gel</b>	Gel Dryer	<b>Under Maintenance</b>
٣٨	<b>Shaking and incubating samples</b>	Shaking Incubator	<b>This device for the laboratory services</b>
٣٩	<b>Sterilization of tools</b>	Sterilization Oven	<b>This device for the laboratory services</b>
٤٠	<b>Deionized water preparation</b>	Water deionizer	<b>This device for the laboratory services</b>
٤١	<b>Heating samples</b>	Electro-thermal	<b>This device for the laboratory services</b>
٤٢	<b>Operation with toxic and mutagenic chemicals</b>	Fume hood	<b>Under Maintenance</b>
٤٣	<b>Shaking under certain temperatures</b>	Thermo Shaker	<b>This device for the laboratory services</b>

