

## OPEN TENDER

Quotations are invited from reputed firms/dealers for the purchase of following instruments under PARB Project entitled “Development of wheat with low phytate for increasing bioavailability of iron and zinc”. The quotations may be sent to Director (Purchase), Forman Christian College (A Chartered University), Ferozepur Road, Lahore 54600. (‘Quotations for “PARB # 188” should be mentioned on the envelope). Last date for the submission of quotations is August 05, 2011.

### Realtime PCR system

Thermal Cycler	Thermal Cycler could be used for Conventional Applications
Temperature Range	0-100°C
Gradient range	30–99°C
Temperature differential range	1–25°C
Excitation	6 filtered LEDs
Detection Source	6 filtered Phtodiodes
Dynamic Range	10 orders of magnitude
Rox normalization	Not neccesary
Maximum number of targets	5+1 Targets per Well
Maximum Ramp Rate	Programmable 5 °C /sec
Mouularity	Interchangeable blocks, 48/48 Well dual block, 96- Well block and 384-Well block
Chassis	PCR Thermal Cycler
Heating and cooling method	peltier
Accuracy	20 °C +/- of progammed target at 90 °C
Uniformity	0.4 °C +/- Within 10sec of arrival at 90 °C
optical detection sensitivity	one copy of target sequence in human genomic DNA
Scan time all channels	12sec
FAM / SYBR Green only	3 sec
Software Operating System	Windows XP, Windows Vista
Multiplex analysis modes	Up to 5 target per Well
Data analysis modes	PCR quantitation With standard-curve and melt-curve analysis, Gene expression analysis with multiple reference genes and individual reaction efficiencies, Multiple file gene expression analysis allelic discrimination, Endpoint analysis
Data export	Save copy, and print all graphs and spread sheets. Export results to Microsoft Excel. Copy and paste directly into Microsoft Excel, Word, or Power point files. Customizable reports containing run settings, data graphs, and spread sheets can be directly printed or saved as PDFs
Licensed for real-time PCR	
Communications	USB 2.0
Electrical approvals	IEC,CE
Licensed for invitro Diagnostic use and Research Use	
certificate for CE Marked	
FRET Probes Analysis	