

**INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
UNIVERSITY OF KARACHI
KARACHI-75270**

TENDER NOTICE NO. ICCBS-090411

Sealed tenders are invited from the sales tax and income tax registered firms for purchase/import of scientific equipments for the establishment of textile lab. and some scientific equipments, chemicals and consumables for Protein lab. of the Center on **C&F basis**. The detail and specification of the items can be collected from the date of publication of the advertisement in the newspapers, from Purchase Office of the Center, on any working day between 9.00 a.m. to 12.30 p.m., (except Friday), on payment of Rs. 300/- (non-refundable), in shape of a pay order (Demand Draft by the out of Karachi suppliers), in favor of the Director, I.C.C.B.S., or downloaded from the websites www.iccs.edu www.pprasindh.gov.pk and www.ppra.org.pk The tenders can be submitted with 2% of the bid value as bid security, in shape of a pay order in favor of the Director, I.C.C.B.S, latest by 10.30 a.m. on 09-04-2011. The tenders will be opened in Purchase Office of the Center at 11.00 a.m. on the same day in presence of the bidders or their representatives. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP rules.

DIRECTOR

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY
INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
UNIVERSITY OF KARACHI
KARACHI-75270**

Dr. Abdul Jabbar

Lab., No. 205 (N.R.L.)

LIST OF ITEMS

S.No.	Item	Specifications	Quantity
1.	Light Fastness Tester	With mercury tungsten light to simulate the effect of light fading on materials. With in-built 'Rapid Fade Unit'. With sample holders, blue wool standards and gray scales. Should meet BS1006 UK-TN test standards.	1
2.	Color Fastness Tester to Hot Press	The machine should comply with ISO105 P01, X11 BS1006 1990 and Marks & Spencer fabric stability test standards. Should be able to perform sublimation fastness of dyes Made with rust free material. Should be fitted with electronic timer indicating start and end time. Should be able to test the material of different thickness. Both plate (Top and bottom) should be heated with separate temperature control.	1
3.	Fabric and Print Durability Tester	Should be approved by Marks and Spenser for Fabric and Print Durability testing. Should be able to meet the standards of leading chain stores standard for print durability of garments. Should be constructed with rust free material preferably SS-316 or equivalent	1
4.	ICI Pilling Tester	Should fulfill the requirements of BS5811 1986. With control to maintain the 60 RPM requirement and interchangeable lining plates for easy cork replacement.	1
5.	Fabric Swatch Cutter		1

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PROF. DR. ATIYA ABBASI

Lab., No. 106

LIST OF ITEMS

Ready Gels for Mini protean III– 4-20% gradient (pack of 10, 10 wells)	Biorad or equivalent	5 Packs
Ready Gels for Mini protean III– 4-20% gradient (pack of 10, IPG comb)	Biorad or equivalent	5 Packs
Ready gel zymogram gel	Biorad or equivalent	10 gels
Ready gel Protean II (IPG well)	Biorad or equivalent	20 gels
Ready Gels for IEF	Biorad or equivalent	20 gels
10X Tris/Glycine/SDS	Biorad or equivalent	1 L
10X Tris/Tricine/SDS	Biorad or equivalent	1L
Lammeli sample buffer	Biorad or equivalent	30 ml
Readyprep 2D Clean up Kit	Biorad or equivalent	4
Readyprep 2D Starter kit	Biorad or equivalent	4
Readyprep 2D Rehydration buffer	Biorad or equivalent	4 packs
Ready Prep Protein extraction Kit	Biorad or equivalent	
Ready Prep Reduction Alkylation Kit	Biorad or equivalent	
Protein standards Low range, pre-stained	Biorad or equivalent	2 vials
IPG strips (7cm, pH3-10)	Biorad or equivalent	5 pks each
IPG strips (17cm, pH3-10)	Biorad or equivalent	5 pks each
Proteomic grade water	Biorad or equivalent	500 ml x 4
In-gel trypsin digestion kit	Pierce or equivalent	2
Gel code Blue stain Safe stain	Pierce or equivalent	3
Coomassie Plus Bradford protein estimation dye	Pierce or equivalent	2
Protein enrichment kit		2

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LIST OF ITEMS

Plant DNA extraction kit (100 preps)	2 kits
DNA purification kit (100 preps)	2 kits
PCR kits (100 preps)	2 kits
DNA ladder – 1kb	5 vial
Sybr Green DNA stain	2 vial
Nuclease free water	5 ml x 10
Mini horizontal electrophoresis system, (7 x 10 cm, 8- and 15-well combs, UV-transparent tray) (Biorad or equivalent)	1
Mini horizontal electrophoresis system, (7 x 7 cm, 8- and 15-well combs, UV-transparent tray) (Biorad or equivalent)	1

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LIST OF ITEMS

Sample loading tips for protein electrophoresis -	Adaptable with Eppendorf pipettes	2000
Sample loading tips for DNA electrophoresis	Adaptable with Eppendorf pipettes	2000
Micropipette (adjustable -2.5µl, 10µl, 20 µl, 200 µl, 1ml, 5 ml)	Eppendorf or equivalent	2 each
Thin walled micro tubes for PCR – 200 µl, blue, green, natural, red, yellow	Sterile	2000 each
Disposable tips 2 µl, 10 µl, 20µl	Adaptable with Eppendorf pipettes, Sterile	2000 each
Disposable tips 2 µl, 10 µl, 20µl, 100µl, 200µl, 1ml, 5ml	Adaptable with Eppendorf pipettes, Non sterile	5000 each
Safe lock Eppendorf tubes – 0.5 ml		2 x 1000
Safe lock Eppendorf tubes – 0.5 ml, 1.5 ml, 2.0 ml		5 x 1000 each
Falcon tubes 15 ml, 50 ml -	Corning or equivalent	1000each
UV cuvette -50µl, 200 µl		2 each
Cuvette for Dynamic Light Scattering		1
Cryovials 2ml, 5 ml -		1000 each
Syringe Filters (0.22 micron)	Millipore or equivalent	2 pk

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LIST OF EQUIPMENTS

1.	Cell counter with all accessories (Invitrogen or equivalent	1
2.	Ultrasonic Homogenizer with all accessories (for samples size 300µl-50ml)	1

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LIST OF ITEMS

Agarose	Sigma or equivalent	50g
Adenosine diphosphate ADP	Sigma or equivalent	1 g
Hyaluronidase	Sigma or equivalent	100mg
Hyaluronic acid high purity	Sigma or equivalent	2 x 100 mg
Hyaluronic acid sodium salt from <i>Streptococcus equi</i>	Sigma or equivalent	1g
Tris base	Sigma or equivalent	2 Kg
Glycine	Sigma or equivalent	3 Kg
Ammonium Sulphate	Sigma or equivalent	2 x 5Kg
Trypan Blue	Sigma or equivalent	25 gm
Nitrotetrazolium blue	Sigma or equivalent	71 250mg
5-Bromo-4-chloro-3-indolyl phosphate disodium salt	Sigma or equivalent	100mg 100mg
Doxorubicin	Sigma or equivalent	10mg
Thiazolyl blue Tetrazolium Bromide	Sigma or equivalent	1g
In vitro toxicity assay kit, MTT based	Sigma or equivalent	1 kit
In vitro toxicity assay kit, XTT based	Sigma or equivalent	1 kit
TEMED	Sigma or equivalent	100ml

Riboflavin 5' phosphate	Sigma or equivalent	25 mg
Riboflavin	Sigma or equivalent	50 g
MMP-2	Sigma or equivalent	10 μ g
MMP-2/MMP-9 substrate	Sigma or equivalent	1 mg x 2
MMP-2/MMP-9 substrate	Sigma or equivalent	1 mg x 2
Tributyl phosphine for electrophoresis		5 g
CHAPS for protein electrophoresis		5 g
Buffer tablets pH 4.0	Fluka or equivalent	1 pk
Buffer tablets pH 7.0	Fluka or equivalent	1 pk
Buffer tablets pH 9.2	Fluka or equivalent	1 pk

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S.No.	Item	Specifications	Quantity
1.	Ultra low freezer	12 cubic feet (-86°C programmable at ambient temperature of 32-35°C, 12 cubic feet, green technology preferable, Sanyo, Heraues, ESCO or equivalent	1
	Ultra low freezer	Ultra low freezer 4 cubic feet (-86°C programmable at ambient temperature of 32-35°C, 12 cubic feet, green technology preferable, Sanyo, Heraues, ESCO or equivalent)	1