

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

TENDER NOTICE NO. TWC-PSF-HEC-120112

Sealed tenders are invited from the sales tax and income tax registered firms for purchase/import of chemicals for the Center. The detail and specification of the items can be collected from the date of notification on the websites, 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, T.W.C., or downloaded from the websites www.iccs.edu and www.pprasindh.gov.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, T.W.C., latest by 10.30 a.m. on 12-01-2012. 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

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LIST OF ITEMS

DR. S. ABID ALI

(LAB. NO. 205, 213 INTERCOM NO. 120, 127)

LIST OF CHEMICALS:

1. TriTrack Loading Dye (6x, 5x1ml) (cat# R1161) Fermentas or equivalent
2. Agarose LE (100g x2)
3. 3M Sodium Acetate Solution, pH5.2 (5x1ml, Molecular biology Grade) cat #R1181 Fermentas or equivalent
4. 0.5M EDTA, pH8.0 (5x1ml, Molecular biology Grade) cat #R1021 Fermentas or equivalent
5. Nuclease-Free Water: (2x30mL Molecular Biology Grade) cat #R0582 Fermentas or equivalent
6. DEPC-TREATED Water: (2x30mL Molecular Biology Grade) cat#R0601 Fermentas or equivalent
7. DNA Ladder: 10kba (cat #1751), Fermentas or equivalent
8. DNA Ladder: 1kba (cat #SM0311), or equivalent
9. DNA Ladder: 250bp (cat # SM1211), or equivalent
10. DNA Ladder: 25-700bp (cat#SM1191) Fermentas or equivalent
11. Restriction Enzyme: *SmaI* CCC/GGG (200rtx) cat # FD0664 Fermentas or equivalent
12. Restriction Enzyme: *HaeIII* (BsuRI - GG/CG) (400rtx) cat # FD0154 Fermentas or equivalent.

13. PCR Blocks (6x1)
14. Proteinase K (100mg x2)
15. Lysozyme (1g x2)
16. TFA (100mL) HPLC grade
17. Formic Acid (100mL) HPLC grade
18. Native-PAGE Protein Marker (50-400 kDa)
19. Low molecular weight SDS PAGE Marker (2.5-98 kDa)
20. Unstained protein Molecular weight Marker (cat # SM0431 2x250ul & SM0661 2x250ul Fermentas or equivalent)
21. Prestained protein Molecular weight Marker (cat # SM0441 2x250ul & SM1841 2x250ul Fermentas or equivalent)
22. Sample Buffer, Laemmli 10x Concentrate (sigma or equivalent 10vl)
23. NBT/BCIP Premixed (100mL)
24. Coomassie Plus (Bradford) Assay Reagent Kit (950 mL x2) Thermo Scientific cat # 23236 or Equivalent
25. Fibrinogen from bovine plasma (1 g) cat # F8630-1G Sigma or Equivalent
26. Fibronectin (100mg)
27. Fetuin from fetal calf serum (1 g) cat # F2379-1G Sigma or Equivalent
28. Transferrin from human blood plasma (500mg) cat # 90190-Sigma/Biochemika or equivalent
29. Hyaluronic Acid (Na Hyaluronate, microbiology Grade) 25g
30. Spirit blue agar with lipase reagent (Difco, BD or equivalent 500g)
31. DNase Agar 500mg (Pronadisa, Spain or equivalent)
32. Methyl Green (100g) Sigma or equivalent
33. Glucose (Analytical & high purity grade) 1Kg
34. Agar Agar (Microbiological grade) 1Kg
35. Phenol/chloroform/isoamyl-alcohol (500mL) Sigma or equivalent

36. Phenol (100mL)
37. L-Arginine (100g)
38. L-Lysine (100g)
39. Tween 20 (500mL)
40. Tween 80 (500mL)
41. Triton-x-100 (500mL)
42. Phosphatidylcholine (1g x2)
43. Cholesterol (1g x2)
44. Polyethylene glycol (PEG/100 g EACH) 5, 14, 20, 40kDa
45. PBS: Buffer Concentrate sterile (10x 1L) Fermentas or equivalent
46. DNeasy Animal Tissue Kit 50 (Qiagen cat # 69504) or equivalent
47. DNeasy Plant Mini Kit 50 (Qiagen cat # 69104)
48. QIAGEN RNeasy Mini Kit (50) (Qiagen cat # 74104)
49. QIAGEN OneStep RT-PCR Kit (25 x2) (Qiagen cat # 210210)
50. QIAGEN Multiplex PCR Plus Kit (100rx 2) Catalog no. 206152
51. Ni-NTA Superflow Cartridges (5 x 1 ml) Qiagen cat # 30721 or equivalent
52. Gelatin Sepharose 4B (25 ml) GE Healthcare Life sciences cat # 17-0956-01 or equivalent

LIST OF CONSUMABLES:

1. PCR Tubes (0.2mL) 1000x2
2. PCR Plates (96 well) 100pc
3. PCR 96 well Plate adhesive Film (200 films)
4. Tips (5ml, 100-1000ul, 10-100ul, 0.5-10ul, 0.1-2.5ul) 1000x 3 each
5. Filter Tip Boxes (10-100ul, 0.5-10ul, 0.2-2.5ul) 96x 5 each
6. Eppendorf Tubes (1.5mL, 0.5mL) 1000x 5 nuclease free

7. Safe Lock tubes (1.5mL & 0.5mL) 1000x 5
8. Falcon Tubes (50mL and 15mL) 50pc each sterile
9. PVDF Membrane (0.22um 20x20 cm; sequencing grade, pk5)
10. Nitrocellulose membrane (0,22um 20x20cm; western blotting grade, pk5)
11. 96 Well Microtest plates with Lids (200pc), Sterile, individually rape, flat bottom. Made of Highly pure PS. Suitable for analysis and microbiology. Carl Roth cat # 9293.1 or equivalent.
12. Nitrile disposable gloves, optimum protection against chemicals like Etidium bromide, disposable, Power free, 100x6 Small and 100x6 Medium size. Carl Roth cat # K966-7.1 or equivalent.
13. Mechanical adjustable Pipettes: 0.1-2.5ul, 0.5-10ul, 2-20ul, 10-100ul, 100-1000ul, 1-5mL (two each); highest precision and accuracy (PCR Grade).
14. Manual hand dispenser Multipette Plus (one), cat # 4986 000.019 Eppendorf or Equivalent
15. Combitip plus (0.1, 0.2, 0.5, 1, 2.5ml) One pack (50pc) of each for Multipette Plus, Eppendorf or equivalent
16. Combitips Plus Mounting Rack cat # 0030 069.897 Eppendorf or Equivalent
17. Easypet (suitable for transferring 0.1 to 100mL) with holder, 0.45um Membrane filter and charging adapter. Cat # 4421 000.013 Eppendorf or Equivalent
18. Harris Uni-Core™, Tip Diameter 0.50mm (cat # 15071 or equivalent)
19. Harris Uni-Core™, Tip Diameter 5.0mm (cat # 15081 or equivalent)
20. Harris Uni-Core™, Tip Diameter 8.0mm (cat # 15084 or equivalent)
21. Powder free Gloves (small and medium) six boxes each
22. UV Protected Gloves (3 Box)
23. Epithedium Bromide Protection Gloves (12 Box)

LIST OF SMALL EQUIPMENTS:

1. Water distillation assembly: capacity 3.5-4 lit/hr, compact stainless steel or glass, save, low power consumption, Nuve Water distillers cat # NS-104 or Equivalent

2. Microplate Shaker: speed range 100-1200rpm, orbit 3mm, timer with alarm 1sec to 2hours, Holds 2 or 4 microplates, microprocessor control with digital displays for speed and time, with added optional microtube 1.5-2 mL Rack. Can be used in CO2 incubators or cold rooms environment (-10 to 60C). Thomas Scientific cat # 1231A94 or equivalent.
3. DNA gel Electrophoresis: Gel size 23x14cm, buffer volume 800ml; Complete unit including horizontal gel chamber, safety lid with integral power leads, removable gel casting tray and two combs (1mm and 25 teeth). Carl Roth cat #N825.1 or equivalent.
4. Thermomixer Comfort: 1.5mL block and Adapter plate for PCR plates 96. Cat #5355000.011 and 5363007.009 or equivalent
5. IsoTherm-System Starter Set: includes Isosafe, isoRack, 0C IsoPack and -21C IsoPack 0.5ml 1.5/2.0mL tubes. Cat # 3880 000.011 Eppendorf or Equivalent

LIST OF SOFTWARE:

1. End Note 5

SUMMARY SHEET

The tender will liable to be rejected if this form will not accompan^y the tender bid / quote

SERIAL No.	BID VALUE	FOREIGN CURRENCY	CONVERSION RATE	PRICE IN PKR

TOTAL BID VALUE IN PKR		
Earnest Money @ 2% in PKR		
Payorder / Bank Draft No:		Date:
Signature	Seal:	