

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

TENDER NOTICE NO. HEJ-HEC-220111

Sealed tenders are invited from the sales tax and income tax registered firms for purchase/import of chemicals and glassware for the Center from a H.E.C. funded research project. 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, 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, H.E.J., latest by 10.30 a.m. on 22-1-2011. 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

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LIST OF ITEMS (GLASSWARE)

S.No.	Item	Specification	Quantity
1.	Pipette Single Channel	200 ul	1
2.	Pipette Single Channel	5000 ul	1
3.	Pipette Multi channel	300 ul	1
4.	Black Fluorescent Plates	Flat Bottom (96-well plates)	1000
5.	Reagent Bottles	250 ml	10
6.	Reagent Bottles	500 ml	10
7.	Reagent Bottles	1L	10
8.	Reagent Bassoons	-	1 packet
9.	Micro Centrifugal Racks	-	1 packet
10.	Vials	10 ml	100
11.	Vials	15 ml	10
12.	Eppendorf Microcentrifuge Tubes	2 ml	6 Bags
13.	Pipette Tips	300 ul	6 Bags
14.	Pipette Tips	1000 ul	2 Bags
15.	Pipette Tips	5000 ul	2 Bags
16.	Transparent Flat Bottom Plates with Cover	96 Well plates (Microliter plates) orange Scientific	100
17.	Aluma Seal 96 TM Foil	Sigma-Aldrich Cat # F4550-100 ea or equivalent	1 Box

LIST OF ITEMS (CHEMICALS)

S.No.	Item	Specification	Quantity
1.	Bovine Serum Albumin (Fraction V)	Merck Cat # 1120180025 or equivalent	25 g
2.	Insulin from Bovine Pancreas, ≥ 27 USP (HPLC) powder form	Sigma Aldrich Cat # I5500 or equivalent	5 g
3.	Hemoglobin (Human Lyophilized powder)	Sigma Aldrich Cat # H7379-5G or equivalent	5 g
4.	Albumin from Human Serum Lyophilized powder, essentially fatty acid free	Sigma Aldrich Cat # A1887-5G or equivalent	5 g
5.	Lysozyme (from chicken egg white, lyophilized powder)	Sigma Aldrich Cat # L6876-5G or equivalent	5 g
6.	Ribonuclease A (from Bovine Pancreas, lyophilized powder)	Sigma Aldrich Cat # R6513-250MG or equivalent	250 mg
7.	α -D-Glucose anhydrous, 96%	Sigma Aldrich Cat # T68968-500G or equivalent	500 g
8.	D-(-)-Fructose $\geq 99\%$	Sigma Aldrich Ct # F0127-500G or equivalent	500 g
9.	D-(-)-Ribose $\geq 99\%$	Sigma Aldrich Cat # R7500-100G or equivalent	5x100g
10.	D-(+)-Galactose $\geq 99\%$	Sigma Aldrich Cat # G0750-500G or equivalent	500 g
11.	Aminoguanidine hydrochloride $\geq 98\%$	Sigma Aldrich Cat # 396494-25G or equivalent	25 g
12.	Rutinhydrate, $\geq 94\%$ (HPLC), powder	Sigma Aldrich R5143-50G or equivalent	50 g
13.	α -Tocopherol, bioreagent type IV from vegetable oil	Sigma Aldrich Cat # T1539-25G or equivalent	25 g
14.	Sodium Phosphate dibasic dehydrate	Sigma-Aldrich Cat # 30412-500G or equivalent	500 g

15.	Puriss, p.a. buffer substance sodium phosphate monobasic dehydrate. Bioultra for molecular biology $\geq 99\%$	Sigma Aldrich Cat # T1505-250G or equivalent	2x250 g
16.	Sodium azide (reagent plus)	Sigma Cat # S2002-25G or equivalent	25 g
17.	Sodium Cyanoborohydrate reagent grade	Sigma Aldrich Cat # 156159-50G or equivalent t	50 g
18.	Acetic acid (reagent plus)	Sigma Aldrich Cat # A6283-100 ml or equivalent	100 ml
19.	Hydrochloric acid, 36.5-38.0% bioreagent, for molecular biology	Sigma Aldrich Cat \$ H1758-100 ml or equivalent	100 ml
20.	Sodium hydroxide Bioxtra	Sigma-Aldrich Cat # S8045-500G or equivalent	500 g
21.	Dimethyl sulfoxide bioreagent, for molecular biology	Sigma-Aldrich Cat # D-8418-250 ml or equivalent	2x250 ml
22.	Trichloroacetic acid, biotech grade redistilled	Sigma-Aldrich Cat # 522082-100G or equivalent	100 g
23.	Sodium chloride (cell culture tested)	Sigma-Aldrich Cat # S5886-500G or equivalent	500 g
24.	Potassium chloride (cell culture tested)	Sigma-Aldrich Cat # P 5405-500G or equivalent	500 g
25.	Methylglyoxal solution	Sigma Cat # M0252-250 ml or equivalent	25 ml
26.	1,1-Diphenyl, 2-picryl-hydroxyl radical (DPPA)	Sigma Aldrich Cat # D9132-1G or equivalent	1 g
27.	L-Ascorbic acid (Dioxtra)	Sigma-Aldrich Cat # A5960-25G or equivalent	25 g
28.	Ethanol (absolute Emplura)	Merck Cat # 8187602500 or equivalent	25 g
29.	Propyl galate	Sigma-Aldrich Cat \$ P3130-100G or equivalent	100 g
30.	Butylated hydroxyanisole	Sigma-Aldrich Ct # B1253-100G or equivalent	100 g

