

TECHNICAL EVALUATION REPORT (SUMMARY)

1. Name of Procuring Agency: University of Health Sciences Lahore
2. Method of Procurement: Single Stage two Envelopes
3. Title of Procurement: Procurement of Laboratory Research chemicals /consumables of HEC funded project NRPV #8408 of Oral Biology department, University of Health Sciences, Lahore
4. Tender Inquiry No: UHS/Pur/982 /2020
5. Date & Time of Bid Closing: 05.10.2020 at 11:00 AM
6. Date & Time of Bid Opening 05.10.2020 at 11:30 AM
7. Nos. of Bids Received: 02

Sr. No	Item	Specifications if any/Company	Integrated Bioscience	Musaji Adam & Sons
1.	Curcumin (Turmeric)	<p>Quality Level = 200 Vapor Density = 13(vs air) Curcuma longa (Turmeric), powder Assay: ≥94% (curcuminoid content), ≥80% (Curcumin) Form= Powder MP: 175 °C Solubility = Ethanol : 1mg/ml DMSO>11mg/ml 0.5M NaOH: Soluble (then immediately diluted in PBS) Storage temp: - 20°C Molecular weight= 368.38 1 bottle (500mg)</p> <p>Sigma/ Merck / BD/ Roche/thermoFisher Scientific/ Perkin Elmer</p>	(C7727 , Sigma) Quoted as per BOQs Qualified	Not Quoted
3.	Glabridin (licorice)	<p>Quality Level=100 assay≥ 98% (HPLC) form = Powder Color= White to light brown Solubility : DMSO; 5mg/ml, clear (warmed) Storage temp= room temp Molecular weight= 324.37 01 pack of 05 mg</p> <p>4. Sigma/ Merck / BD/ Roche/thermoFisher Scientific/ Perkin Elmer</p>	(G9548, Sigma) Quoted as per BOQs Qualified	Not Quoted

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5.	Methyl paraben	<p>Molecular Weight= 152.15 Quality Level= 400 Grade= Kosher Regulatory Compliance= EU Reg. 1223/2009 FCC FDA 21 CFR EU 1334/2008& 178/2002 Assay 99% MP= 125-128°C Organieptic= ordoorless Food allergen- not known Fragrance allergen= not known</p> <p>1 kg pack</p> <p>6. Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(W271004 Sigma) Quoted as per BOQs Qualified	<p>Not as per BOQs Not Qualified</p> <p>(GR 5554, Dae Jung, Korea)</p> <p>(based on grade which is GR grade while we require, FDA approved grade)</p>
7.	Propyl paraben	<p>Mol. Wt: 180.20 Quality LEVEL = 500 Potency Method: BP, JP, NF, Ph Eur Grade = FCC Assay 99% MP: 96-98°C pH 6-7 solubility: 0.4g/L Bulk density: 350kg/m3 Vapor Pressure: 0.67 hPa (122 °C) Transition Tem: 180°C</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(107425000, Sigma) Quoted as per BOQs Qualified	<p>Not as per BOQs Not Qualified</p> <p>(GR 6662, Dae Jung, Korea, As we require FCC grade)</p>
8.	Phosphate Buffered Saline (PBS)	<p>Quality Level 200 Ph= 7.2-7.6 (1 tablet/200ml) Water soluble Tablet form</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	<p>Not As per BOQs Not Qualified</p> <p>(P3744, Sigma, Tablet Form required)</p>	<p>(Thermo Scientific™ BR0014G, Oxoid, UK)</p> <p>Quoted as per BOQs Qualified</p>
9.	Ethanol	<p>96% Mol. Wt. 46.07 Grade: Reag. Ph.Eur pH= 7.0 (20 °C) Bp= 78°C Mp= - 114°C Transition temp: 17°C Density= 0.789g/ml at 25°C(lit)</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	Not Quoted	Not Quoted

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10.	Xylene	<p>Laboratory grade quality suitable for procedures in Histology MW: 106.17 g/mol Boiling Pt: 137-140°C Melting Pt: -34 °C Density: 0.86 to 0.88 g/cm³ (20 °C) Flash Pt: 25 °C Storage Temperature: Ambient may contain some Ethylbenzene</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(16446, Sigma) Quoted as per BOQs Qualified	(8587-4461, Dae Jung Korea) Quoted as per BOQs Qualified
11.	DPX	<p>DPX Mountant is a mixture of Distyrene, a plasticizer, and xylene. It is a colorless synthetic resin mounting media which replaces Xylene-Balsam. It preserves the stain and dries quickly. Boiling Point: 144 °C (291 °F)</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(1.00579 , Merck) Quoted as per BOQs Qualified	(DP 00500500), Scharlau, Spain Quoted as per BOQs Qualified
12.	Formalin	<p>Formalin solution, neutral buffered, 10% To be used as histological tissue fixative Concentration: 10% Formalin Colour: Colorless pH= 6.90-7.10 Storage Temp: room temp Density+ 1.0880g/cm³</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(1.04003, Merck) Quoted as per BOQs Qualified	(FO00102500, Scharlau) Quoted as per BOQs Qualified
13.	Paraffin wax	<p>White, colorless, somewhat translucent and hard wax consists of solid straight chain of hydrocarbons. It ranges in mantling point from 48° to 66° C. double filtered paraffin wax in pellet form. Quality level : 200 MP= 56-57 °C Storage: Room temp</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	(1.11609, Merck) Quoted as per BOQs Qualified	No Company Brand name given hence product cannot be technically evaluated Not Qualified

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14.	Ether	<p>Diethyl ether</p> <p>Quality = 300 Grade: ACS Reagent, Reag. Ph. Eur, Reag. ISO BP= 34.6 °C (lit) MP= -116 °C (lit) Transition Temp= -40°C Density = 0.7069g/ml at 25 °C Molecular weight = 74.12 Vapor density = 2.6 (vs air) Vapor pressure + 587 hPa (20 °C)</p> <p>Sigma/ Merck / BD/ /thermoFisher Scientific/ Perkin Elmer</p>	Not Quoted	Not Quoted
15.	Super frost Plus ® slides	<p>Color: White Length: 75mm (Metric) Width: (25mm (Metric) Material: Glass Size: 25 x 75mm Chemical-resistant white marking surface</p> <p>These slides are made with special treatment process that electrostatically adhere tissue sections and cells to the glass without the need for adhesives or protein coatings.</p> <p>Ideal for Histology, formalin-fixed, paraffin embedded tissue sections , special stains, Immunohistochemistry, when applied to fixed or frozen tissue sections</p> <p>FisherBrand/ Thermofisher Scientific/ Equivalent</p>	Not Quoted	Not Quoted
16.	Slide boxes	<p>Designed to store 100 standard sized 3x1" (75x25mm) microscope slides. The 100-place slide box is made of high impact polystyrene and is secured with a nickel plated rust- resistant clip. This superior design can prevent slide breakage and block dust from contaminating microscope slides. Each slot is numbered and corresponds to the index on</p>	Not Quoted	Not Quoted

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		the cover to ensure proper slide identification. China/ local/equivalent		
17.	Tissue cassettes	Histology tissue processing cassettes Made from high density polymer. Efficient flow-through strip holes. Resistant to chemical action of histological solvents. For tissue processing. 45° angle writing area. China /Local/ Equivalent	Not Quoted	(292103, Kartell) Quoted as per BOQs Qualified
18.	Cover slips	Plastic cover slips Used for protein digestion, antigen retrieval protocols, antibody incubation and other staining procedures where require minimum reagent usage. Size: 24x60mm China/ local/equivalent	Not Quoted	Not Quoted
19.	Plastic tubes	Low-profile 0.1ml PCR tube with flat caps. Clear, 1x120 8-strip clear tubes, pack of 1000 Free of human RNase/DNase Abcam/ thermo-scientific / Eppendorf/ Axygen/ equivalent Origin: EU , USA	Not Quoted	Not Quoted
20.	Vernier caliper	Made in Stainless Steel and chrome-plated Metric, Range,0"/0mm-150mm , Accuracy +/-0.03mm , Resolution,0.02mm , Item Depth: 40mm Size: 0-150 mm Thumb roller Length = 229mm Item weight= 4.9 ounces (approx.) Four-way measurement capability for outside dimension (OD), inside dimension (ID), depth, and step measurements Raised sliding surfaces to help prevent defacement and wear of scale graduations	Not Quoted	Not Quoted <i>Suraforn</i>

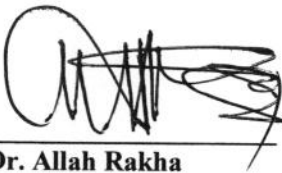
		<p>Modest, 14-degree face angle on vernier scale, to help improve visibility and reduce the possibility of parallax errors Packed in storage case and card box.</p> <p>Pak made/ EU/UK/USA brands</p>		
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All technical bids were evaluated against the laid specifications and comparative statement (summary/detail) is being submitted to Chairman Tender Committee and Incharge Purchase Cell for further necessary action.

No Complaint Shall be entertained after 07 days of display of Technical Evaluation report.



Dr. Sarah Ghafoor
HOD,
Department of Oral Biology



Dr. Allah Rakha
Chairman, Tender Committee



Prof. Dr. Shagufta Khaliq
Incharge, Purchase Cell