

### Summary Specification

BIL. SEBUTHARGA/QUOTATION REF.:	UBD/Q/064/2026 (PAPRSB IHS) - [G]
TARIKH DIIKLANKAN :	<u>09 Jun 2026 [Selasa]</u>
TARIKH TUTUP :	<u>23 Jun 2026 [Selasa]</u> JAM: 2 Petang
DOCUMENT FEE : B\$ 10.00	

**Important Note:**

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Please take note that the document fee for each of the New and Extended quotations will be BND 10.00 each

**Payment Information**

Quotations/tenders are identified as follows:

[G] – Kerajaan (Government Account)

Please ensure payment is made to the correct account:

[G] → UNIVERSITI BRUNEI DARUSSALAM [KERAJAAN]

Payment details and account numbers are available under “Mode of Payment” on the UBD website

**Note:** Please ensure that you provide the correct details when making the payment.

Please email proof of the above payment to [helpdesk.epay@ubd.edu.bn](mailto:helpdesk.epay@ubd.edu.bn) , [finance@ubd.edu.bn](mailto:finance@ubd.edu.bn), [eprocurement.support@ubd.edu.bn](mailto:eprocurement.support@ubd.edu.bn).

TITLE :		<u>TO SUPPLY AND DELIVERY OF CHEMICALS AND REAGENTS FOR BIOMEDICAL SCIENCE PROGRAMME. PAPRSB IHS UBD</u>
No.	Quantity	SPECIFICATIONS
1	1 bottle	Acetic acid (Glacial) 100% Specifications: Acetic acid (glacial), 100%, anhydrous for analysis, ACS grade Suitable for HPLC, ≥99.8% Linear Formula:CH3CO2H; CAS Number:64-19-7 Molecular Weight:60.05; Beilstein:506007 MDL number:MFCD00036152; UNSPSC Code:12352106 PubChem Substance ID:329756937; NACRES:NA.21 Form: Liquid Volume Size: 1litre per bottle 1.00063 or Equivalent
2	20 bottles	Ethanol (analytical grade) Specifications: assay (G.C.) (v/v): min. 99,9 %; identity (IR-spectrum): passes test density (20°/4°): 0,789 - 0,790; appearance: clear colour (Hazen): max. 10; acidity: max. 0,0002 meq/g solubility in water: passes test; Volume: 2.5litres per bottle ET00052500 or Equivalent
3	2 bottles	Acetonitrile Specifications: Linear Formula:CH3CN; CAS Number:75-05-8 Molecular Weight:41.05; Beilstein:741857 EC Number:200-835-2; MDL number:MFCD00001878 UNSPSC Code:12191502; eCI@ss:39031501 PubChem Substance ID:329755257; NACRES:NA.21 Grade:ACS reagent; Bp:81-82 °C (lit.) Vapor pressure:72.8 mmHg ( 20 °C) Volume: 2.5 litres per bottle or Equivalent

4	2 bottles	<p>Dimethyl sulfoxide (DMSO)</p> <p>Specifications:</p> <p>Linear Formula: (CH<sub>3</sub>)<sub>2</sub>SO; CAS Number: 67-68-5</p> <p>Molecular Weight: 78.13; Beilstein: 506008</p> <p>EC Number: 200-664-3; MDL number: MFCD00002089</p> <p>UNSPSC Code: 12191502; PubChem Substance ID: 24893881</p> <p>NACRES: NA.71; suitable for plant cell culture</p> <p>Volume: 500ml per bottle or equivalent, D4540 or Equivalent</p>
5	2 bottles	<p>Trolox (standard antioxidant)</p> <p>Specifications:</p> <p>Empirical Formula (Hill Notation): C<sub>14</sub>H<sub>18</sub>O<sub>4</sub>; CAS Number: 53188-07-1</p> <p>Molecular Weight: 250.29; Beilstein: 1384051</p> <p>EC Number: 258-422-8; MDL number: MFCD00006846</p> <p>UNSPSC Code: 12352100; PubChem Substance ID: 24854347</p> <p>NACRES: NA.22;</p> <p>Weight: 5g per bottle</p> <p>238813 or Equivalent</p>
6	2 bottles	<p>DPPH (2,2-Diphenyl-1-picrylhydrazyl)</p> <p>Specifications:</p> <p>Molecular biology grade, reference reagent</p> <p>Empirical Formula (Hill Notation): C<sub>18</sub>H<sub>12</sub>N<sub>5</sub>O<sub>6</sub>; CAS Number: 1898-66-4</p> <p>Molecular Weight: 394.32; Beilstein: 1846081</p> <p>EC Number: 217-591-8; MDL number: MFCD00007231</p> <p>UNSPSC Code: 12352127; PubChem Substance ID: 57654141</p> <p>NACRES: NA.22</p> <p>Weight: 500mg per bottle or Equivalent</p>
7	2 bottles	<p>MTT reagent</p> <p>Specifications:</p> <p>Empirical Formula (Hill Notation): C<sub>18</sub>H<sub>16</sub>BrN<sub>5</sub>S; CAS Number: 298-93-1</p> <p>Molecular Weight: 414.32; MDL number: MFCD00011964</p> <p>UNSPSC Code: 12171500; NACRES: NA.25</p> <p>Weight: 250mg per bottle or Equivalent</p>
8	15 bottles	<p>Trypsin-EDTA</p> <p>Specifications:</p> <p>Chelators EDTA, Cell Type Mammalian Cells</p> <p>Classification Animal Origin, Concentration 1 X</p> <p>Form Liquid, Product Type Cell Culture Dissociation Reagent</p> <p>Shelf Life 24 Months, Sterility Sterile-filtered</p> <p>With Additives Phenol Red, EDTA</p> <p>pH 7.1 to 8,</p> <p>Volume: 100ml per bottle or Equivalent</p> <p>Shipping Condition: Dry Ice</p>
9	50 bottles	<p>High-glucose DMEM</p> <p>Specifications:</p> <p>Cell Line HeLa, 293, Cos-7, and PC-12</p> <p>Cell Type Primary Fibroblasts, Neurons, Glial Cells, HUVECs, Smooth Muscle Cells</p> <p>Classification Animal Origin-free, Concentration 1 X</p> <p>Form Liquid, Product Type DMEM (Dulbecco's Modified Eagle Medium)</p> <p>Serum Level Standard Serum Supplementation</p> <p>Shelf Life 12 Months From Date of Manufacture</p> <p>Sterility Sterile-filtered, With Additives High Glucose, Glutamine, Phenol Red</p> <p>For Use With (Application), Mammalian Cell Culture</p> <p>Glucose Concentration 4500 mg/L</p> <p>Green Features Sustainable packaging</p> <p>Product Line Gibco™</p> <p>Quantity per box: 10 x 500 mL</p> <p>Shipping Condition: Room Temperature</p> <p>Catalog number: 11965118 or Equivalent</p>

10	30 bottles	<p>Fetal bovine serum (FBS) –  Specifications:  Biological source Bovine fetus, Sterility Sterile-filtered  Composition Hemoglobin, ≤25 mg/dL  Origin Non-USA, Impurities ≤10 EU/mL endotoxin  Suitability Cell culture  Vol: 50mlx10 bottles  Shipped in Dry ice  Storage temperature -20°C  Heat inactivated - yes  Catalog number: A3840002 or Equivalent</p>
11	6 sets	<p>API Staph -2  KIT FOR 25 TESTS  • 25 API® STAPH strips (STR)  • 25 ampules of API® STAPH Medium (MED STAPH)  • 25 incubation boxes (INCUB)  • 25 result sheets (SHEET)  • 1 package insert provided in the kit  Reagents  • Mineral oil (Ref. 70100)  • McFarland Standard (Ref. 70900), No. 0.5 on the scale.  • Reagents:  ◦ VP 1 + VP 2 (Ref. 70422)  ◦ NIT 1 + NIT 2 (Ref. 70442)  ◦ ZYM A (Ref. 70494)  ◦ ZYM B (Ref. 70493) or Equivalent</p>
12	2 sets	<p>API 25 Kit and reagent  Specifications:  KIT FOR 100 TESTS (Ref. 20160)  • 100 API® 20 E strips  • 100 incubation boxes  • 100 result sheets  • 1 clip seal  • 1 package insert provide  Reagents  • API® NaCl 0.85 % Medium, 5 mL (Ref. 20230) or API® Suspension Medium, 5 mL (Ref. 20150)  • Mineral oil (Ref. 70100)  • API® 20 E reagent kit (Ref. 20120) or individual reagents:  ◦ NIT 1 + NIT 2 (Ref. 70442)  ◦ VP 1 + VP 2 (Ref. 70422)  ◦ TDA (Ref. 70402)  ◦ JAMES (Ref. 70542)  • Zn reagent (Ref. 70380)  • Oxidase (Ref. 55635*) or Equivalent</p>
13	2 Sets	<p>Staph Latex Agglutination Test Kit  Specifications:  A rapid latex agglutination test designed for the identification of Staphylococcus aureus. The test detects clumping factor and protein A, giving results within minutes. Kits provide reagents and consumables sufficient for approximately 300 tests.  Contains:  Sensitized latex reagent with IgG + human fibrinogen,  Negative control latex reagent,  Disposable reaction cards included,  Mixing stick.  PL.081B or R30859902 or Equivalent</p>

14	1 bottle	<p>ABTS antioxidant assay (Ammonium persulfate)</p> <p>Specifications:  Molecular biology, suitable for electrophoresis, ≥98%  Linear formula: (NH<sub>4</sub>)<sub>2</sub> S<sub>2</sub>O<sub>8</sub>  CAS Number: 7727-54-0  Reaction suitability: Reagent type: Oxidant  Form: Powder  Packaging size: 25g per bottle  A3678 or Equivalent</p>
15	1 bottle	<p>ABTS antioxidant assay (ABTS solution)</p> <p>2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt</p> <p>Specifications:  ≥98% (HPLC), chromogenic,  Form: powder  Empirical Formula (Hill Notation): C<sub>18</sub>H<sub>24</sub>N<sub>6</sub>O<sub>6</sub>S<sub>4</sub>  CAS Number: 30931-67-0  Molecular Weight: 548.68  Solubility: water: 10mg/ml, clear to slightly hazy  Packaging size: 5g per bottle  A1888 or Equivalent</p>
16	1 bottle	<p>FRAP antioxidant assay (Ferric chloride solution)</p> <p>Specifications:  Iron (II) Sulfate heptahydrate  grade ACS reagent, ≥99.0%  Form: Powder or crystal  Linear Formula: FeSO<sub>4</sub> · 7H<sub>2</sub>O  CAS Number: 7782-63-0  Molecular Weight: 278.01  Packaging size: 250g per bottle  215422 or Equivalent</p>
17	1 bottle	<p>FRAP antioxidant assay (TPTZ solution)</p> <p>Specifications:  2,4,6-Tris(2-pyridyl)-s-triazine  for spectrophotometric det. of Fe, ≥99.0% (HPLC)  Empirical Formula (Hill Notation): C<sub>18</sub>H<sub>12</sub>N<sub>6</sub>  CAS Number: 3682-35-7  Molecular Weight: 312.33  form: lumps  Packaging size: 5g per bottle  93285 or Equivalent</p>
18	1 bottle	<p>DPPH antioxidant assay (DPPH powder)</p> <p>Empirical Formula (Hill Notation): C<sub>18</sub>H<sub>12</sub>N<sub>5</sub>O<sub>6</sub>  CAS Number: 1898-66-4  Molecular Weight: 394.32  NACRES: NA.22  PubChem Substance ID: 57654141  Application widely used in antioxidant activity assays  Packaging size: 5g per bottle  D9132 or Equivalent</p>

19	1 bottle	<p>DPPH antioxidant assay (Ascorbic acid power)</p> <p>Specifications:  L-Ascorbic acid  reagent grade,  Form: crystalline  Empirical Formula (Hill Notation): C6H8O6  CAS Number: 50-81-7  Molecular Weight: 176.12  UNSPSC Code: 12352209  NACRES: NA.26  Packaging size: 25g per bottle  A7506 or Equivalent</p>
20	1 bottle	<p>Amberlite™ XAD®-2</p> <p>Specifications:  Amberlite XAD-2, a hydrophobic copolymer of styrene-divinylbenzene resin, requires longer purification process and is used as a sorbent. Amberlite XAD-2 resin depending upon the aromaticity and size of the hydrophobic groups sorbs organic compounds through low-energy physical interactions.  Nonionic macroreticular resin that adsorbs and releases ionic species through hydrophobic and polar interactions; usually used under isocratic conditions.  HPLC suitable  CAS Number: 9003-70-7  MDL number: MFCD30475999  UNSPSC Code: 23151817  NACRES: NB.21  Form: beads (small)  Packaging: 500g per bottle  10357 or Equivalent</p>
21	3 bottles	<p>Glycine</p> <p>Specifications:  Linear Formula: NH<sub>2</sub>CH<sub>2</sub>COOH; CAS Number: 56-40-6  Molecular Weight: 75.07; Beilstein: 635782  EC Number: 200-272-2; MDL number: MFCD00008131  UNSPSC Code: 12352209; eCI@ss: 32160406  PubChem Substance ID: 24895355; NACRES: NA.28  Weight: 1kg per bottle;  G8898 or 1610718 or Equivalent</p>
22	1 bottle	<p>Silver nitrate</p> <p>Specifications:  Linear Formula: AgNO<sub>3</sub>; Molecular Weight: 169.87; CAS Number: 7761-88-8  Assay:99.8-100.5% (silver nitrate titration)  Grade:ACS reagent  Form:crystals, solid  Weight: 100g or Equivalent</p>
23	2 bottles	<p>ABO Blood Group &amp; RH Reagents 801320</p> <p>Specifications:  Seraclone Anti -A (IgM)  Monoclonal Antisera For the detection of A blood group antigens  Volume: 10ml or Equivalent</p>
24	2 bottles	<p>ABO Blood Group &amp; RH Reagents 801345</p> <p>Specifications:  Seraclone Anti -B (IgM)  Monoclonal Antisera For the detection of B blood group antigens  Volume: 10ml or Equivalent</p>
25	2 bottles	<p>ABO Blood Group &amp; RH Reagents 802039</p> <p>Specifications:  For the detection of red cell antigen D. Seraclone Anti-D (RH1) 226 contain human monoclonal antibodies of immunoglobulin class IgM as their reactive component and are therefore unsuitable for the indirect antihuman globulin test. Clone BS226.  Volume: 10ml or Equivalent</p>

26	2 bottles	<p>Potassium Citrate 500g</p> <p>Specifications:</p> <p>Pharmaceutical primary standard grade</p> <p>Linear Formula: <math>\text{HOC}(\text{COOK})(\text{CH}_2\text{COOK})_2 \cdot \text{H}_2\text{O}</math></p> <p>CAS Number: 6100-05-6</p> <p>Molecular Weight: 324.41</p> <p>UNSPSC Code: 41116107</p> <p>NACRES: NA.24</p> <p>PubChem Substance ID: 329750903</p> <p>MDL number: MFCD00150442</p> <p>Beilstein/REAXYS Number: 3924344</p> <p>Packaging size: 500g per bottle or Equivalent</p>
27	2 bottles	<p>Cellulose Acetate Phthalate</p> <p>Specifications:</p> <p>CAS Number: 9004-38-0</p> <p>UNSPSC Code: 41116107</p> <p>NACRES: NA.24</p> <p>Packaging size: 500g per bottle or Equivalent</p>
28	2 bottles	<p>Sodium alginate</p> <p>Specifications:</p> <p>CAS Number: 9005-38-3</p> <p>UNSPSC Code: 41116107</p> <p>NACRES: NA.24</p> <p>MDL number: MFCD00081310</p> <p>Packaging size: 500g per bottle or Equivalent</p>
29	1 bottle	<p>Polyethylene Glycol 400 5kg</p> <p>Specifications:</p> <p>Linear Formula: <math>\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}</math></p> <p>CAS Number: 25322-68-3</p> <p>UNSPSC Code: 12352104</p> <p>NACRES: NA.24</p> <p>MDL number: MFCD00081839</p> <p>Form: solid</p> <p>Packaging size: 500g per bottle or Equivalent</p>
30	1 bottle	<p>Polyethylene Glycol 200</p> <p>Specifications:</p> <p>Linear Formula: <math>\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}</math></p> <p>CAS Number: 25322-68-3</p> <p>NACRES: NA.22</p> <p>EC Index Number: 500-038-2</p> <p>UNSPSC Code: 13111021</p> <p>MDL number: MFCD00081839</p> <p>Form: solid</p> <p>Packaging size: 500g per bottle or Equivalent</p>
31	1 bottle	<p>Polyvinyl pyrrolidone K30</p> <p>Specifications:</p> <p>Linear Formula: <math>(\text{C}_6\text{H}_9\text{NO})_n</math></p> <p>CAS Number: 9003-39-8</p> <p>UNSPSC Code: 12162002</p> <p>PubChem Substance ID: 24887612</p> <p>NACRES: NA.23</p> <p>MDL number: MFCD00149016</p> <p>Packaging size: 500g per bottle or Equivalent</p>
32	2 bottles	<p>Aqua Resist</p> <p>Specifications:</p> <p>Algicid and antibacterial fluid</p> <p>Water bath protective agent, Aquarest with indicator, 250 mL</p> <p>Cat. No: 462-7000 or Equivalent</p>

33	1 bottle	<p>Halt™ Phosphatase Inhibitor Single-Use Cocktail</p> <p>Specifications:  Stabilize serine, threonine and tyrosine phosphorylation of proteins in cells and tissues with this cocktail of phosphatase inhibitors.  Inhibitors: Phosphatase Inhibitor  Quantity: 5 x 1 mL  Reagent Type: Phosphatase Inhibitor  Form: Liquid  Product Line: Halt  Product Type: Phosphatase Inhibitor Cocktail 78426 or equivalent</p>
34	1 bottle	<p>Halt™ Protease Inhibitor Cocktail (100X)</p> <p>Specifications:  Halt Protease Inhibitor Cocktail (100X) are ready-to-use concentrated stock solutions of protease inhibitors for addition to samples to prevent proteolytic degradation during cell lysis and protein extraction.  Buffer: Lysis Buffer  Inhibitors: Protease Inhibitor  Quantity: 5 mL  Reagent Type: Protease Inhibitor  Form: Liquid  Product Line: Halt  Product Type: Protease Inhibitor Cocktail 78429 or equivalent</p>
35	1 bottle	<p>RIPA Lysis and Extraction Buffer</p> <p>Specifications  Lyse cultured mammalian cells with this high-quality, ready-to-use and fully disclosed formulation of a popular cell lysis reagent.  Format: Liquid  Quantity: 250 mL  Volume (Metric): 250 mL  Product Type: Extraction Buffer 89901 or equivalent</p>
36	1 bottle	<p>SuperSignal™ West Pico PLUS Chemiluminescent Substrate</p> <p>Specifications  SuperSignal West Pico PLUS Chemiluminescent Substrate is an enhanced chemiluminescent (ECL) horseradish peroxidase (HRP) substrate that enables picogram to high femtogram-level protein detection by western blot analysis.  Conjugate: HRP  Kit Contents: Luminol/Enhancer, 250 mL, Stable Peroxide Buffer, 250 mL  Recommended Antibody Concentrations: 2°: 1:20-100 K (10-50 ng/mL), 1°: 1:1 K (0.2-1 µg/mL)  Sensitivity: Picogram to high femtogram-level  Shipping Condition: Room Temperature  Signal Duration: 6 to 24 hr.  Sufficient For: 60 Mini-Gel Blots, 5000 cm<sup>2</sup> of Membrane  Detection Method: Chemiluminescence  For Use With (Application): Western Blot  Form: Liquid  Membrane Compatibility: Nitrocellulose, PVDF  Product Type: Substrate, Quantity: 500 mL  Substrate: Horseradish Peroxidase 34580 or equivalent</p>

37	1 bottle	<p>Pierce™ BCA Protein Assay Kits</p> <p>Specifications</p> <p>The Pierce BCA Protein Assay Kit is a high-precision, detergent-compatible protein assay for determination of protein concentration. Pierce BCA reagents provide accurate determination of protein concentration with most sample types encountered in protein research.</p> <p>Assay: BCA Assay</p> <p>Concentration BSA: 0.125, 0.25, 0.5, 0.75, 1, 1.5, and 2 mg/mL</p> <p>For Use With (Application): Solution-based Detection, Absorbance</p> <p>Kit Contents: 2 x 1 mL 8-channel tubestrip, prediluted</p> <p>Product Line: Pierce, Product Type: Protein Quantitation Assay</p> <p>Quantity: 1 Kit (500 mL), Specificity: Not Target-specific</p> <p>Sufficient For: 250 Tube Assays or 2500 Microplate Assays</p> <p>Detection Method:m Colorimetric A55865 or equivalent</p>
----	----------	--