



## Philippine Rice Research Institute

Central Experiment Station  
Maligaya, Science City of Muñoz, 3119 Nueva Ecija

Quality Rice. Quality Life.

### NOTICE OF AWARD

August 31, 2022

**MR. VAN WILLIAM L. CO**

President

Omnibus Bio-Medical Systems, Inc.

4F Wilson Corporate Ctr, 225 Wilson St.,

Greenhills, San Juan

Dear Sir,

We are pleased to notify you that PhilRice awarded the procurement of the following:

PARTICULARS	DEPT/OFFICE	TOTAL AMOUNT
Supply and Delivery of Technical and Scientific Equipment (PB 22-03-15)	RCFSD and PBBD	PhP842,200.00

In this connection, you are hereby required to immediately post a performance bond, the amount of which is in accordance with the provision of RA 9184 which was approved by the President of the Philippines on January 10, 2003 as indicated below:

Form of Performance Security	Amount of Performance Security (Equal to the Percentage of the Total Contract Price)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank	Five percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security and/or	Thirty percent (30%)
d) Any combination of the foregoing.	Proportionate to share of form with respect to total amount of security

Failure to post the performance bond within ten (10) calendar days upon receipt of this notice would mean a refusal to accept the award. Such is sufficient ground for PhilRice to impose administrative sanctions on your company. The contract/Purchase Order (PO) shall be released upon compliance with the requirement set forth herein. Kindly coordinate with the BAC Secretariat, at telephone number (044) 456-0650 regarding the above mentioned requirement or any inquiries.

Thank you very much.

Very truly yours,

**EDUARDO JIMMY P. QUILANG**

OIC, DED for Research

Conforme

**Van William L. Co**

SIGNATURE OVER PRINTED NAME

Omnibus Bio-Medical Systems, Inc.

September 7, 2022

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ISO 9001  
ISO 14001



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List of Goods/Services for Award to Omnibus Bio-Medical Systems, Inc.

ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
4	1	unit	<p><b>CO2 Incubator with Gas Regulator</b>  PHCBI  Model: MCO-170AICL  Origin: Japan</p> <ul style="list-style-type: none"> <li>- Designed for high-value and delicate samples, including hard-to-grow cell cultures and contamination-sensitive media and reagents.</li> <li>- Suitable for Stem cell research, cell-based assays, tissue culture / regeneration, genomic and proteomic expression, plant and animal cell cultures, hypersensitive and transgenic cell lines, low volume media microplate assays.</li> </ul> <p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- A color LCD touchscreen delivers full control, even with gloved hands, while a standard USB port makes log data transfer to PC convenient. The CO2 incubator offers integrated shelf channels with minimal parts for easy cleaning.</li> <li>- USB Memory Data Transfer. It should have a built-in standard USB port device to provide convenient log data transfer to USB memory stick and a PC, with data logging period of 1.5 months or longer using 2-minute intervals</li> <li>- Integrated Tray Catches. This is an integral part of the chamber, which provide more space for the trays, allowing the unit to accommodate more culture plates and flasks.</li> <li>- The patented Direct Heat and Air Jacket system works with the IR2 sensor to provide precise temperature and CO2 levels, respectively.</li> <li>- InCu-saFe Chamber, Plenum, Shelves passive included (stainless steel copper enriched alloy) Hydrogen Peroxide (H2O2) Vapor.</li> <li>- Temperature control uniformity or accuracy is <math>\pm 0.25^{\circ}\text{C}</math> or lower at <math>23^{\circ}</math> when the equipment setting is <math>37^{\circ}\text{C}</math>, 5% CO2 without load). Temperature range is from <math>5^{\circ}\text{C}</math> to <math>50^{\circ}\text{C}</math> (Ambient temperature: <math>5^{\circ}\text{C}</math> - <math>35^{\circ}\text{C}</math>).</li> </ul>	457,000.00	457,000.00

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DA-PhilRice Central Experiment Station, Maligaya, Science City of Muñoz, 3119 Nueva Ecija, Philippines

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Liaison Office: BSWM Ground Floor, Elliptical Road, Diliman, Quezon City Mobile No.: (+63)928-915-9628

DOA ctrl no.: 2022-09-0388(1)





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		<p>- Precise CO<sub>2</sub> Control. CO<sub>2</sub> control range and deviation: 0% to 20% / <math>\pm 0.15\%</math> (23°C ambient, setting 37°C, 5% CO<sub>2</sub> without load).</p> <p><b>Other technical specifications:</b></p> <ul style="list-style-type: none"> <li>- Airflow: Gentle vertical airflow, Fan Assisted</li> <li>- Continuous with inner door closed</li> <li>- Interior humidity: 95% <math>\pm</math> 5% R.H. at 37°C by natural evaporation with humidifying pan</li> </ul> <p><b>Control, Monitoring, Alarm:</b></p> <ul style="list-style-type: none"> <li>- Temperature Control Range and Fluctuation: +5 °C above ambient to +50 °C, <math>\pm 0.1^\circ\text{C}</math></li> <li>- Temperature Uniformity <math>\pm 0.25^\circ\text{C}</math></li> <li>- CO<sub>2</sub> Control Range and Fluctuation 0 to 20%, <math>\pm 0.15\%</math></li> <li>- Data acquisition: Automatic log function of temperature, CO<sub>2</sub> Door opening / closing, and alarm and CSV file output</li> <li>- Communication: with standard remote alarm contacts to alarm the users if there's a problem with the performance of the instrument</li> </ul> <p>Automatic set temperature alarm, Automatic set CO<sub>2</sub> density alarm. High limit temperature alarm, CO<sub>2</sub> gas, various sensor/heater alarms</p> <p><b>Cabinet design and construction:</b></p> <ul style="list-style-type: none"> <li>- Standard touch panel (WVGA full-color LCD)</li> <li>- USB data logging: a standard USB port</li> <li>- Standard Exterior cabinet and door: Painted steel (rear cover coated steel)</li> <li>- Interior and shelves: Copper-enriched stainless steel</li> <li>- Inner door: Tempered glass</li> <li>- Insulation: Styrene AcryloNitrile Copolymer (SAN)</li> <li>- Outer door: Reversible heated</li> <li>- Access port: 30mm (with silicone (non-VOC) stopper)</li> <li>- Levelling stand/feet: 4</li> </ul> <p><b>Energy and CO<sub>2</sub> utilities:</b></p> <ul style="list-style-type: none"> <li>- Maximum power consumption: Max. 379 W</li> </ul>		
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Email: [prri.mali@mail.philrice.gov.ph](mailto:prri.mali@mail.philrice.gov.ph) Text Center: (+63) 917 111 7423 Websites: [www.philrice.gov.ph](http://www.philrice.gov.ph), [www.pinoyrice.com](http://www.pinoyrice.com)

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KOA card no : 2022-09-030061



			<ul style="list-style-type: none"> <li>- Maximum heat discharge: Max. 1,070 kJ/h</li> <li>- CO2 gas connection: 4 mm to 6 mm inner diameter tubing or any size that will fit in the two-phase regulator and incubator gas inlet</li> <li>Soft Polyurethane tube can be connected (ID 4 mm, OD 6 mm)</li> <li>- CO2 gas pressure: 0.03 MPa (G) – 0.1 MPa (G) (0.3 kgf/cm2 (G) – 1 kgf/cm2 (G), 4.4 psi (G) – 14.5 psi (G))</li> </ul> <p><b>Dimensions, weights, capacities:</b></p> <ul style="list-style-type: none"> <li>- Internal dimensions (W x D x H): 49.0 x 52.3 x 66.5 cm</li> <li>- External dimensions (W x D x H): 62.0 x 73.0 x 90.5 cm</li> <li>- Capacity: 165 L</li> <li>- Shelves: 4 (stainless steel copper enriched alloy) 47.0cm x 45.0cm x 1.2 cm, max load: 7 kg per shelf</li> <li>- Net weight: 80 kg</li> </ul> <p><b>Inclusive of the following:</b></p> <ul style="list-style-type: none"> <li>- Automatic Voltage Regulator (AVR) 1KVA</li> <li>- Two-stage Regulator specific for CO2 Incubator</li> <li>- With certificate of calibration and product quality approval</li> <li>- Warranty: Two (2) years on parts and one (1) years on service and One (1) year on AVR</li> <li>- Inclusive of on-site training on basic operation, troubleshooting, and preventive maintenance.</li> </ul>		
9	2	unit	<p><b>Compound Binocular Microscope</b> Olympus Model: CX23 Origin: Japan</p> <ul style="list-style-type: none"> <li>- Biological Microscope with Oil-Immersion 8 CC, Power Cord, and Dust Cover (Type 015).</li> <li>- Body Material: Aluminum die-casting metal frame, Protective covering Body, Infinity optical system.</li> <li>- Built-in illumination system, LED Power (0.5 W) Stage height movement (15 mm), with specimen holder (glass slide).</li> <li>- Focusing: Coarse adjustment with limit stopper, Torque adjustment for coarse</li> </ul>	49,500.00	99,000.00



			<p>adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 <math>\mu</math>m) Plan Achromat Objective 4x, 10x, 40x, 100x (Oil)</p> <ul style="list-style-type: none"> <li>- Fixed quadruple nosepiece</li> <li>- 30 degrees inclined binocular tube</li> <li>- Inter papillary distance adjustment ranger from 48-75 mm,</li> <li>- Eye-point adjustment 370.0-432.9 mm</li> <li>- Field Number (FN) 20 (anti-fungus)</li> <li>- Weigh ~5.9 kg</li> </ul> <p>Rated Voltage / Electric Current AC 100-240 V 50/60 Hz 0.4 A</p> <p>Warranty: 2 years</p>		
10	1	unit	<p><b>Inverted Microscope</b></p> <p>Olympus Model: CKX53 Origin: Japan</p> <ul style="list-style-type: none"> <li>- Brand new</li> <li>- Live Cell Observations, Cell Sampling and Handling, Image Capture, Fluorescence Observation</li> <li>- Fast and Efficient Cell Observation with the integrated Phase Contrast (iPC) System</li> <li>- The high contrast achieved by the CKX53 iPC system quickly provides a clear view without needing to change the ring slit from the 4X to 40X objective. Performing simplified and efficient cell observation, for faster cell culture operations is made possible.</li> <li>- Clear View Empowered by Long-Life LED Light Illumination</li> <li>- Lasting longer than halogen bulbs, the energy-saving LED light source of the CKX53 delivers reliable color reproducibility as well as a uniform and clear image over the whole visual field with a field number (FN) of 22. The energy-saving performance of CKX53 guarantees a clear and stable view.</li> <li>- Wide and Clear View with the 2X Objective</li> <li>- The ring slit for the PLN2X objective, CKX-SLPAS, has a 22 mm field of view of 11 mm diameter. As a result, observation using the objective is perfect for efficient screening of the desired cells, allowing a faster cell culture process.</li> <li>- Additionally, the 2X objective provides noticeably higher contrast, allowing even</li> </ul>	286,200.00	286,200.00





		<p>transparent objects in the sample to be clearly identified.</p> <ul style="list-style-type: none"> <li>- Experience 3D Views Driven by the "Inversion Contrast" (IVC) Technique</li> <li>- With the use of this newly-developed IVC technique in CKX53, where the depth of field is narrower than that of the phase contrast, clear three-dimensional images can be obtained for objects of any shape, even transparent ones. In addition, IVC observation provides clear views without halos or directional shadows, preserving the integrity of object details during observation.</li> <li>- *10X objectives (PLCN10X, CACHN10XIPC) are lined up for this new IVC observation</li> <li>- With the hood kept down, CKX53 fits perfectly in a clean bench environment, allowing cell handling under completely sterile conditions. With its UV-resistant coating, CKX53 can also be left in the clean bench during the UV light sterilization process</li> <li>- CKX53 weighs approximately 7kg and has a smaller base footprint. It can easily be moved with just one hand, using the neck of the observation tube for lifting as well as the sliding pad at the base of the microscope.</li> <li>- Easy Cell Sampling in a Clean Bench Environment</li> <li>- The shorter distance between the view point and the optical axis/focus knob on CKX53 offers natural hand positioning and makes focusing and cell sampling easier. Additionally, with full LED lighting available from the moment CKX53 is turned on, operation is less of a burden to the user, and cell sampling and handling can be finished in a shorter period of time.</li> <li>- Ergonomic Advantages for Easy and Smooth Operation</li> <li>-- Whether observing in a standing or seated position, the 45-degree optical access and the placement of the butterfly-shaped observation tube against the stage allows for ergonomic cell observation</li> <li>- Additionally, the power switch is placed directly under the observation tube located along the stage. The operating components such as the power switch and the knob for switching the light path are placed close together to enhance the operability of the CKX53.</li> </ul>		
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		<ul style="list-style-type: none"> <li>- Easy Handling of Any Type of Cell Culture Containers</li> <li>- Using the universal holder with the CKX53, it is possible to easily view cells that were cultured in a variety of containers, such as dishes, microplates, and flasks. Also, when the optional holder is attached, a maximum of three 35 mm dishes can be accommodated on the stage.</li> <li>- More Comprehensive Observation for a Multi-Layer Tissue Flask</li> <li>- Due to the width of CKX53, when the condenser is detached, it is possible to view containers such as multi-layer tissue flasks up to 190 mm in height. In addition, the objectives can be lifted up to 19 mm, allowing cell observation of the bottom two layers of a multi-layer tissue flask in combination with the UPLFLN4XIPC objective.</li> <li>- Flexibility of Using Different Containers. The arm of the holders can easily be lifted up for manual positioning of the culture containers. Additionally, the stage can be expanded up to 70 mm to the left and right for greater handling flexibility.</li> <li>- Camera port Olympus camera adapter interface</li> </ul> <p><b>Parts and Accessories:</b></p> <ul style="list-style-type: none"> <li>- CKX53SF</li> </ul> <p>CKX53 microscope frame set</p> <ul style="list-style-type: none"> <li>- UPLFLN4XIPC</li> </ul> <p>For use with CKX3-SLP</p> <p>0.13 Plan Achromatic Objective 4X with integrated phase contrast</p> <ul style="list-style-type: none"> <li>- CACHN10XIPC</li> </ul> <p>For use with CKX3-SLP</p> <p>0.25 Plan Achromatic objective 10X with integrated phase contrast Achromatic objective 10X with integrated phase contrast Achromatic phase contrast objective (pre-centered) with 10x magnification</p> <ul style="list-style-type: none"> <li>- LCACHN20XIPC</li> </ul> <p>For use with CKX3-SLP</p> <p>0.40 lens with integrated phase contrast Achromatic phase contrast objective 20X (pre-centered) with 20x magnification</p> <ul style="list-style-type: none"> <li>- LCACHN40XIPC</li> </ul> <p>For use with CKX3-SLP</p> <p>0.55 Objective with integrated phase contrast 40X (pre-centered) with 40x magnification</p>		
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			<ul style="list-style-type: none"> <li>- CKX3-CP</li> <li>Metal stage insert plate</li> <li>- U-CT30</li> <li>Centering telescope</li> <li>- 45-ND25</li> <li>ND filter</li> <li>- 43IF550W45</li> <li>Interference contrast filter (green ø45)</li> <li>- CKX3-SLP</li> <li>Pre-centered phase contrast slider</li> <li>- CKX3-SLPIC</li> <li>IC ring slit</li> <li>- CKX3-MVR</li> <li>Mechanical Stage</li> <li>- CK2-SS</li> <li>Stage extension plate</li> <li>- IX2-BCTP</li> <li>Hemacytometer holder</li> <li>- CKX3-HOUN</li> <li>Universal holder</li> <li>- IX-HOT</li> <li>Terasaki plate holder</li> <li>- Eyepiece micrometer cross lines and 10mm / 100 graticule on X and Y</li> <li>- Stage micrometer, 1mm / 100 for biological microscopes</li> <li>- Dust cover (L 300mm x W 440mm x H 440mm)</li> <li>- Power Cord</li> <li>- UPS</li> </ul> <p><b>Other details:</b></p> <ul style="list-style-type: none"> <li>- Warranty: minimum of Two (2) years on parts and Two (2) years on service, One (1) year on UPS</li> <li>- With certificate of calibration and product quality approval</li> <li>- Inclusive of on-site training on basic operation, troubleshooting, and preventive maintenance</li> </ul>		
				<b>TOTAL</b>	<b>842,200.00</b>

Prepared by:

**FREDERICK P. CAPINPIN**  
Admin Assistant III

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