



## PURCHASE REQUEST

PR #: TF-2021-09-01163

Date: 10-01-2021

Dept./Office: **CVM**Category: **Laboratory Equipment**Section/End-User: **Santiago T. Peña Jr.**

Project Title/Code: **PCAARRD 202050-1.100/Optimizing  
 Boar Semen Cryopreservation Towards Effective  
 Industry Utilization and Genetic Conservation**

Funding Source: **Trust Fund**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	20.6 cu.ft. Heavy Duty Side by Side Inverter Refrigerator	unit	1	52,000.00	SANTIAGO T. PEÑA JR.	52,000.00

**Specification:**

- 20 cu.ft. HD Inverter Side by Side Refrigerator
- No-frost Refrigerator
- Energy efficient inverter compressor
- Quick freeze and quick chill mode
- Weight 90 kg
- Dimensions 76 × 90 × 170 cm
- Digital Temperature Control with LED Display
- Independent Temperature Control
- Child Lock
- Vacation Mode
- Eco-LED Lights
- Spill – Proof Tempered Glass Shelves
- Heavy Duty Handle
- Textured Body (Rust and Stain Resistant)
- 3 Twist Ice Cube Trays and Ice Cube Container
- Adjustable Leveling Feet
- Input Power: 170W

2	Liquid Nitrogen Self- Pressurized Tank (60L)	unit	1	542,700.00	SANTIAGO T. PEÑA JR.	542,700.00
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**Specification:**

- Self-pressurizing tank
- 60L capacity
- double wall, stainless steel tank used
- suitable for the programmable freezer (IMV MicroDigit Cool)
- includes hose and pressure system for manual loading of liquid nitrogen from larger storage tanks

3	Liquid Nitrogen Tanks and Peripherals	set	1	280,000.00	SANTIAGO T. PEÑA JR.	280,000.00
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**Specification:**

Set of Liquid Nitrogen Tanks:

- 1 - Spectrum 35
- 2 - Spectrum 20
- 1 - Spectrum 3
- 1 - ET-3

#### Peripherals

- Two-shelf canisters
- Daisy goblets various colors (65mm)
- Visotubes various colors
- Flag for canister lifter
- Identifier without flag
- Liquid nitrogen measuring stick (1000mm)
- Protective glasses

4	<b>Professional Water Purifier - RO and DI Output</b>	unit	1	107,000.00	SANTIAGO T. PEÑA JR.	107,000.00
<b>Specification:</b>  Professional Water purifier produce RO and DI water,widely used in hospital, research lab, industry, university etc. Automatically power on and power off according the water inflow or water outflow. <ul style="list-style-type: none"> <li>• Flow procedure: PF+AC+RO+DI</li> <li>• Feed water requirement: Tap water: TDS&lt;200ppm, 5-45°C, 1.0-4.0Kgf/cm2; (if inlet TDS&gt;200ppm, extra pretreatment is recommended)</li> <li>• Desalination rate (%): Nearly 100</li> <li>• Output(25°C): 15 liters/hour*</li> <li>• Flow rate: 2 Liters/min(with pressure tank)</li> <li>• Pure water outlet: RO water, deionized water</li> <li>• Control system: Automatic electronic pressure sensor, RO membrane auto flushing, automatic stop without water, automatic stop when water tank full, automatic cutting off if pump stopping, guaranteeing 24 hours' work.</li> <li>• Power supply: AC110/220V,50/60Hz</li> <li>• Standard configuration: Main body(including:1 set cartridge, 15Lwater tank, TDSmeter, accessory box, Pure water outlet, Control system</li> <li>• Free Installation Included</li> </ul>						
5	<b>Temperature-Humidity Data Logger</b>	piece	5	2,000.00	SANTIAGO T. PEÑA JR.	10,000.00

**Specification:**

- ?Portable and hand-held
- ?16000 data recording capacity.
- ?Adjustable record interval: 10s~24hour
- ?Multi-function LCD
- ?Internal NTC temperature thermal sensor with optional external sensor
- ?Data export in PDF/EXCEL via data management software
- ?Selectable °F/°C temperature unit
- ?Size: approx. 84 (L) x 44(W) x 20 (H) mm
- ?Good quality
- ?Durable



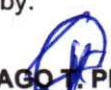


6	<b>Vertical Laminar Flow Hood BBS-SDC with Stand</b>	unit	1	250,000.00	SANTIAGO T. PEÑA JR.	250,000.00
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**Specification:**

- HEPA Filters - Performance: 99.995% 0.3 um
- Air speed adjustable
- Motor controlled front sash
- Display: LED
- Filter Efficiency: > 99.995% at 0.3um
- Airflow Velocity: Average of 0.3~0.5m/s
- Noise Level: < 60 dB Fluorescent
- Lamp:28W\*1
- UV Lamp:30W\*1
- Power Consumption: 480W
- Front Sash: Tempered glass, no less than 5mm, anti-ultraviolet radiation
- Main Body Material: Adopting cold-roll steel plate with corrosion-proof coating
- Work Zone Material: 304 stainless steel
- Base Stand Material: Adopting cold-roll steel plate with corrosion-proof coating
- Caster: Reverse Wheel with brake
- Electrical : 10~240V/50~60Hz
- Standard Accessory: Light, UV, Base Stand
- Net Weight: 160 kg Package Size 1580\*750\*1950 mm

7	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>	pc	1	14,000.00	SANTIAGO T. PEÑA JR.	14,000.00
<b>TOTAL</b>						<b>1,255,700.00</b>

Purpose: For use in the PCAARRD-VSU boar semen cryopreservation project.

Checked by:  <b>JACOB GLENN F. JANSALIN</b> TWG - Laboratory Equipment		Funds Available:  <b>NICK FREDDY R. BELLO</b> (OIC) HEAD, ACCOUNTING OFFICE	
Signature: Printed Name: Designation:	Requested by:  <b>SANTIAGO T. PEÑA JR.</b> END USER	Noted by:  <b>SANTIAGO T. PEÑA JR.</b> UNIT HEAD, PROJECT LEADER	Approved by:  <b>EDGARDO E. TULIN</b> PRESIDENT, VSU