



PURCHASE REQUEST

PR #: TF-2021-09-01159

Date: 10-01-2021

Dept./Office: CVM

Category: Laboratory Supplies

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	100 ml Type 1, class A borosilicate glass test tube	pcs	50	100.00		5,000.00
Specification: 100 ml Type 1, class A borosilicate glass test tube						
2	1000 ml Type 1, class A borosilicate glass Beaker	pcs	3	1,000.00		3,000.00
Specification: 1000 ml Type 1, class A borosilicate glass Beaker						
3	250 ml Type 1, class A borosilicate glass Beaker	pcs	5	600.00		3,000.00
Specification: 250 ml Type 1, class A borosilicate glass Beaker						
4	500 ml Type 1, class A borosilicate glass Beaker	pcs	3	700.00		2,100.00
Specification: 500 ml Type 1, class A borosilicate glass Beaker						
5	5000 ul pipette tips (Neutral), at least 1000 pcs. per pack	pack	3	2,300.00		6,900.00
Specification: 75000 ul pipette tips (Neutral)						
6	Boar Semen Evaluation for SCA Set	set	1	109,500.00		109,500.00

Specification: <ul style="list-style-type: none"> • (1) GoldCyto Sperm Kit • (1) GoldCyto Counting Chambers • (1) Sperm Blue Stain • (1) BrightVit Kit with Slides • (1) SCA Counting Chambers • epT.I.P.S., 20-200ul, Biopur Sterile, Yellow (480 tips (5 racks) • epT.I.P.S. 50-1000ul, Biopur Sterile, Blue (480 tips (5 racks) 						
7	Centrifuge (Conical) Tubes, 15mL Capacity	pack	10	950.00		9,500.00
Specification: <p>?With graduations and marking spot.</p> <p>?Screwcap (plugseal)</p> <p>?Sterile. RNase-/DNase-free.</p> <p>?Non-pyrogenic</p> <p>?Polyethylene terephthalate (PET) material</p> <p>?At least 3600 centrifugal force (x g)</p> <p>?Pack of 50 Tubes</p>						
8	Centrifuge (Conical) Tubes, 50mL Capacity	pack	15	1,050.00		15,750.00
Specification: <p>?With graduations and marking spot.</p> <p>?Screwcap (plugseal)</p> <p>?Sterile. RNase-/DNase-free.</p> <p>?Non-pyrogenic</p> <p>?Polyethylene terephthalate (PET) material</p> <p>?At least 3600 centrifugal force (x g)</p> <p>?Pack of 25 Tubes</p>						
9	Digital Thermostatic Water Bath	pc	2	14,900.00	SANTIAGO T. PEÑA JR.	29,800.00
Specification: <p>?Digital Thermostatic Water Bath with 1 Chamber, 3L Capacity, RT to 100°C, 300W Heating Power, 0.1°C</p>						
10	Erlenmeyer Flask, Glass, 500mL	pcs	4	1,000.00		4,000.00
Specification: <p>?500mL capacity, borosilicate glass</p>						
11	Gloves, Nitrile, Large	box	10	500.00		5,000.00
Specification: <p>?Glove Type: Chemical Resistant Disposable Gloves</p> <p>?Glove Material: Nitrile</p> <p>?Powder-Free</p> <p>?1 box of 100 or 50 pairs</p>						

?Food Safe ?Size: large						
12	Gloves, Nitrile, Medium	box	5	500.00		2,500.00
Specification: ?Glove Type: Chemical Resistant Disposable Gloves ?Glove Material: Nitrile ?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: Medium						
13	Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs./pack	packs	2	700.00		1,400.00
Specification: ?Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm						
14	Graduated Cylinder, Glass, 1000mL	pc	2	1,500.00		3,000.00
Specification: ?Material: Borosilicate Glass ?Good Quality						
15	Graduated Cylinder, Glass, 250mL	pc	5	600.00		3,000.00
Specification: ?Material: Borosilicate Glass ?Good Quality						
16	Laboratory Glass Dyeing Cylinder Rack with Cover (Circular)	pc	2	600.00		1,200.00
Specification: <ul style="list-style-type: none"> • with cover • 5 circular 						
17	Laboratory Hot Plate Magnetic Stirrer, 1L, 0-1600 RPM	pc	1	14,500.00	SANTIAGO T. PEÑA JR.	14,500.00
Specification: ?Lab hotplate magnetic stirrer, capable of heating and mixing liquid at the same time. ?The hot plate stirrer comes with 12*12cm aluminum plate, max. stirring capacity up to 1L, adjustable temperature 380° and variable speed 0-1600 rpm with two separate knob, convenient use, fast heating and high durability.						
18	Laboratory Weighing Boats	pieces	2	1,000.00		2,000.00
Specification: Plastic, 100 mL						
19	Microcentrifuge Tubes (1.5mL Capacity)	pack	4	1,000.00		4,000.00

Specification: ?1.5mL Capacity ?clear ?safe-lock ?pack of 1000 ?autoclavable						
20	Micropipette Tip, 1000 uL	pack	5	750.00		3,750.00
Specification: <ul style="list-style-type: none"> • capacity, 1000 uL • Standard tip, graduated • Autoclavable • Pack of 1000 tips 						
21	Micropipette Tip, 200 uL	pack	4	550.00		2,200.00
Specification: <ul style="list-style-type: none"> • capacity, 200 uL • Short tip, graduated, • Autoclavable • Pack of 1000 tips 						
22	Microscope Slides and cover slips	pieces	10	370.00		3,700.00
Specification: ?Pre-Cleaned Blank slides with 100 22 x 22 mm square Cover Slip						
23	Petri dish	pc	50	200.00		10,000.00
Specification: ?comprise a lid and base ?high clarity glass ?borosilicate glass ?size: ?Cover int. dia mm : 95 ?Base ext. dia mm: 94 ?Size: 100 x 20.						
24	pH / Temperature Laboratory Bench Meter	unit	1	29,000.00		29,000.00
Specification: Advanced pH/Temp microprocessor-based bench meter. It is ideal for students and technicians who need fast and reliable measurements. This meter is provided with a series of new diagnostic features which add an entirely new dimension to the measurement of pH, by allowing the user to dramatically improve the reliability of the measurement: <ul style="list-style-type: none"> • Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures 						

- Easy to read large custom LCD
- Easy and Quick Push-button Calibration
- 7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration
- Messages on the LCD to make the calibration easy and accurate
- User-selectable "calibration time out" to remind when a new calibration is necessary
- Stability Indicator prompts whenever reading stabilizes.

Moreover, it offers an extended temperature range from -20°C (-4°F) to 120°C (248°F), using the MA831R interchangeable temperature probe.

Specific Details:

- Range: pH -2.00 to +16.00 pH
- Temp.: -20.0 to $+120.0^{\circ}\text{C}$ / -4.0 to $+248.0^{\circ}\text{F}$
- Resolution: pH 0.01pH
- Temp.: 0.1°C (0.1°F)
- Accuracy: pH ± 0.01 pH (@ 20.0°C / 68.0°F) Temp.: $\pm 0.4^{\circ}\text{C}$ / $\pm 0.8^{\circ}\text{F}$
- Typical EMC pH: ± 0.02 pH
- Deviation Temp.: $\pm 0.4^{\circ}\text{C}$ / $\pm 0.8^{\circ}\text{F}$
- pH Automatic Calibration: 1 or 2 point calibration, with 7 memorised buffers
- Offset Calibration: ± 1 pH
- Slope Calibration: from 80 to 108%
- Temperature Compensation: automatic, from -20.0 to $+120.0^{\circ}\text{C}$ / -4.0 TO $+248.0^{\circ}\text{F}$ or manual, without temperature probe
- pH electrode: MA 917B/1 (included) double junction refillable glass pH electrode
- Temperature probe: MA 831R (included) Environment: 0 to 50.0°C / 32 to 120.0°F ; max. RH 95% Input impedance: 10^{12} ohm
- Power supply: 12 VDC power adaptor (supplied)
- Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.

25	Portable Oxygen Monitor	unit	1	35,000.00	SANTIAGO T. PEÑA JR.	35,000.00
Specification: <ul style="list-style-type: none"> • Personal single gas monitor designed for protection in workspaces where liquid nitrogen is used. • Portable/pocket size • Lightweight • IP-67 waterproof rating • Audible/visual/vibration alarms • Automatic backlight 						
26	Reagent Bottle 250mL	pcs	5	400.00		2,000.00
Specification: amber colored bottle with HDPE blue screw cap, 250mL						
27	Reagent Bottle 500mL	pcs	5	500.00		2,500.00
Specification: Amber colored bottle with HDPE orange screw cap, 500mL						
28	Stainless Steel Laboratory Microspatula	pieces	5	150.00		750.00
Specification:						



29	Sterile Syringe Filters Nylon 25 mm Diameter 0.45 um Pore Size Individually Packaged 10/pk	packs	3	2,000.00		6,000.00
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Specification:

Sterile Syringe Filters Nylon 25 mm Diameter 0.45 um Pore Size Individually Packaged 10/pk

30	Styrofoam Box Z1	box	15	180.00		2,700.00
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Specification:

28.5 x 8.5 x 6.75 inches

31	Test Tube, Glass, Graduated, 20mL	pieces	10	100.00		1,000.00
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Specification:

?with Screw Cap




32	Test Tube, Glass, Graduated, 50mL	pieces	10	105.00		1,050.00
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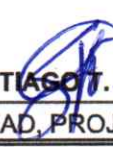
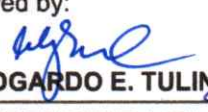
Specification:

?with Screw Cap

	TOTAL					324,800.00
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Purpose: For use in the PCAARRD-VSU boar semen cryopreservation project.

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