



PURCHASE REQUEST

Dept./Office: **DVCS**PR #: **TF-2021-04-00121**Date: **04-09-2021**Section/End-User: **Noel C. Bustillo**Category: **Laboratory Equipment**Funding Source: **Trust Fund**Project Title/Code: **CVM-DA-BAI**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	ELISA Reader	unit	1	580,000.00		580,000.00

Specification:

(Filter wheel-type) (Bio-rad iMark)

Wavelength range: nm400-750 or wider

Compatible plate/strips: flat, U, or V-bottom microplates or 8- or 12- well strip plates.

Number of filters accommodated: at least 8

includes 415, 450, 490, 595, 655 and 750 nm filters...

2	MICRO CERTRIFUGE , (Ventilated)	unit	1	45,000.00		45,000.00
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Specification:

Capacity : 24 x1.5/2mL

Max. Speed : 13,300rpm

Max. RCF : 17,000 x g

Noise Level: 56dbA

Temperature Range : Ambient temperature

Certifications/Compliance : CSA, CE, IVD

Type : Benchtop Centrifuge

Includes: 24 x 1.5/2.0mL rotor,

32 x 0.2mL rotor

with ClickSeal,

Biocontainment lid

Description: Micro CL17 Centrifuge

Ventilated

Electrical Requirements: 110/240V 50/60Hz

Run Time: 1 to 99min (1min increments); hold

Standards : IEC 61010-1, IEC 61010-2-020

Dimensions (HWD):	8.9 x 9.6 x 13.8in. (22.5 x 24.3 x 35.2cm)
Net Weight :	23.1lb. (1.41kg)

3	Micropipette set	sets	2	75,000.00		150,000.00
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Specification:

Fully autoclavable Pipettors with Carousel Stand with volume capacity:0.2-2ul, 1-10ul, 2-20ul, 10- 100ul,20-200ul,100-1000ul

Fully Autoclavable at 121 °C for 20 minutes

Triple-Speed Turbo (one rotation of triple dial is equal to 3.5 rotations of the ordinary push- button dial) and with lock lever

Mushroom-shaped button and color coded

Digital indicator

Inclusions: 200?l, Standard Tip, Graduated, Natural, PP Rack, Sterilized; 1000?l, Standard Tip, Graduated, Natural, System Rack(PP), Sterilized; 20?l, Filter Tip, System Rack(PP), Sterilized, 96 tips/rack, 10 rack/unit

4	Mini CERTRIFUGE	unit	1	40,000.00		40,000.00
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Specification:

Description

x Quiet & Compact

x Spins multiple micro sample tube sizes

x Ideal for Quick Spin-Downs

x Fast Starting & Stopping

Specifications::::::

RPM: 6,600 rpm

RCF: 2,200 xg

Microtube Rotor: 2 x 8-strips or 16 x 0.2mL tubes

Dimensions (WxDxH): +4°C to 50°C

Electrical: 100V to 230VAC, 50/60 HZ, 0.1 A

Warranty: 1 year

5	PCR Machine	set	1	1,100,000.00		1,100,000.00
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Specification:

Excitation source: Quartz-tungsten halogen lamp

Excitation range: 350 to 750 nm

Detector: Photomultiplier tube (PMT)

Detection range: 350 to 830 nm

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Filters: FAMTM/SYBR® Green I (492nm-516nm), HEXTM/JOETM/VICTM (535nm-555nm), ROXTM/Texas Red® (585nm-610nm), Cy5TM (635nm-665nm) and Cy3 (545-568)

Thermal system: Peltier-based, 96-well block thermal cycling system; temperature range 25-99°C

Sample format: Standard 96-well plates, 8-strip tubes, 200 µl tubes, optimized for 25µl reactions

Linear dynamic range: 10 orders of magnitude, standard curve method

Temperature uniformity: +/- 0.25 °C at 72 °C; ramp rate: up to 2.5 °C/second

Amplification rate: standard 40 cycle 2-step QPCR reaction completed in 90 minutes.

Discrimination: distinguish samples with 5,000 and 10,000 template copies with a 99.7% confidence level

6	THERMOBLOCK	unit	1	45,000.00		45,000.00
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Specification:

Max. temperature control range	110 °C	
Min. temperature control range	-10 °C	
Temperature accuracy	Max. ±0.5 °C at 20 – 45 °C	
Temperature settings	-10 °C/110 °C (110 °C when using	the (SmartBlocks 12 mm or cryo)
Timer	15 s to 99:30 h, continuous	
Heating rate	Max. 9 °C/min (when using the	SmartBlock PCR 384)1
Cooling rateMax.	5.0 °C/min between 110 °C and RT	1
Interfaces	USB interface	
Power supply	220 – 240 V, 50 – 60 Hz	
Max. power consumption	200 W	
Dimensions (W × D × H)	20.6 × 30.4 × 13.6 cm	
Weight w/o accessories	4.3 kg	
Temperature rangeMin:	30 °C below RT, max: 110 °C (110 °C	when Using the SmartBlocks
	12 mm or cryo)	

7	VORTEX MIXER	unit	1	40,000.00		40,000.00
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Specification:

Description:

- Vortex mixer with powerful motor comes equipped with standard cup head
- 200-3200 rpm speed range
- Economical and effective vortexer for general lab processes
- Features::Q-Drive Dynamic Balance System,Touch or Continuous Operation
- Two-Year Manufacturer Warranty

Specifications:

- **Electrical Specifications:** 120V, 1.5A, 172.5W, 60Hz, 1Ph
- **Dimensions, Product:** 5"W x 6.3"D x 6.7"H (130 x 160 x 170 mm)
- **Weight, Product:** 10 Lbs (5 kg)
- **Dimensions, Shipping:** 14"W x 12"D x 8"H (360 x 305 x 205 mm) • **Weight, Shipping:** 11 Lbs (5 kg)
- **Ships From:** 08817 Edison, NJ
- **Package Type:** Box

TOTAL**2,000,000.00**

Purpose: Laboratory use

Checked by:

JACOB GLENN F. JANSALIN

TWG - Laboratory Equipment

Funds Available:

ERLINDA S. ESGUERRA

HEAD, ACCOUNTING OFFICE

Signature:

Printed Name:

Designation:

Requested by:

NOEL C. BUSTILLO

END USER

Noted by:

EUGENE B. LAÑADA

UNIT HEAD, PROJECT LEADER

Approved by:

EDGARDO E. TULIN

PRESIDENT, VSU

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