



## PURCHASE REQUEST

Dept./Office: **DARI**PR #: **GF-2021-06-00332**Date: **06-14-2021**Section/End-User: **Jo Jane D. Atok**Category: **Laboratory Supplies**Funding Source: **General Fund - MOOE**Project Title/Code: **VSU-IP-2021-6**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	<b>4-Nitrophenol or p-Nitrophenol</b>	Vial	1	5,615.00	JO JANE D. ATOK	5,615.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Analytical standard</li> <li>Powder or crustal form</li> <li>HPLC suitable</li> <li>Vial of 1g</li> </ul>						
2	<b>4-well Chamber Slide w/ removable well</b>	pack	1	17,004.00	JO JANE D. ATOK	17,004.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Suitable for mammalian cell culture</li> <li>Molecular biology grade</li> <li>Treated for adherent cell culture</li> <li>Rectangular shape, clear polystyrene lid with a handle on the side for aseptic manipulations</li> <li>Soda-lime glass material</li> <li>Sterile, ready-to-use</li> <li>Pack of atleast16</li> </ul>						
3	<b>Acrylamide</b>	btl	2	27,392.00	JO JANE D. ATOK	54,784.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Molecular biology grade, at least 99.0% assay quality</li> <li>Suitable for protein analysis and electrophoresis</li> <li>Dnase-free and Rnase-free</li> <li>Bottle of at least 500g</li> </ul>						
4	<b>Adipogenesis Differentiation Kit</b>	pack	2	27,971.00	JO JANE D. ATOK	55,942.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Molecular Biology grade</li> <li>Suitable for mammalian cell culture</li> <li>Liquid form</li> <li>≤ 50 EU/ml endotoxin level</li> </ul>						

<ul style="list-style-type: none"> <li>• High glucose</li> <li>• NO HEPES and phenol red</li> <li>• With adipogenesis supplements</li> <li>• Kit of at least 100mL basal medium and 10mL supplement</li> </ul>						
5	<b>Ammonium persulfate</b>	btl	1	4,345.00	JO JANE D. ATOK	4,345.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology, at least 98.0% assay quality</li> <li>• Suitable for protein analysis, SDS-PAGE and Western blot</li> <li>• DNases and RNases free</li> <li>• Phosphatases and proteases free</li> <li>• Solid form</li> <li>• Bottle of at least 25g</li> </ul>						
6	<b>Bis-acrylamide</b>	btl	1	16,171.00	JO JANE D. ATOK	16,171.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade, 99.5% assay quality</li> <li>• Suitable for protein analysis and electrophoresis</li> <li>• DNase-free and RNase-free</li> <li>• Bottle of at least 100g</li> </ul>						
7	<b>Blot Filter paper, at least 8.6 x 13.5 cm</b>	pack	1	11,911.00	JO JANE D. ATOK	11,911.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Material: Filter paper from 100% cotton fiber</li> <li>• For blotting applications as part of the gel, membrane, and filter paper stack, or sandwich</li> <li>• Dimension: at least 8.6 x 13.5 cm</li> <li>• Pack of at least 50 sheets</li> </ul>						
8	<b>Bovine Calf Serum</b>	btl	1	2,389.00	JO JANE D. ATOK	2,389.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• Hemoglobin, 35 mg/dL; 10 EU/mL endotoxin</li> <li>• Sterile-filtered</li> <li>• Bottle of at least 100mL</li> </ul>						
9	<b>C/EBP? polyclonal antibody, unconjugated</b>	Vial	1	35,305.00	JO JANE D. ATOK	35,305.00
<b>Specification:</b>						

- C/EBP? polyclonal antibody, unconjugated
- Molecular Biology grade
- Suitable for mammalian cell culture
- For Western Blot, IF, ICC, IHC
- Reactive to Human, Mouse, Rat
- Host/Isotype: Rabbit / IgG
- Concentration: 1 mg/mL
- Vial of 100ug

10	<b>C/EBP? polyclonal antibody, unconjugated</b>	Vial	1	39,000.00	JO JANE D. ATOK	39,000.00
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**Specification:**

- Molecular Biology grade
- Suitable for mammalian cell culture
- For Western Blot, IF, ICC, IHC
- Reactive to Human, Mouse, Rat
- Host/Isotype: Rabbit / IgG
- Vial of at least 100uL

11	<b>Caspase 3 polyclonal antibody, unconjugated</b>	Vial	1	39,000.00	JO JANE D. ATOK	39,000.00
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**Specification:**

- Molecular Biology grade
- Suitable for mammalian cell culture
- For Western Blot, IF, ICC, IHC
- Reactive to Human, Mouse, Rat
- Host/Isotype: Rabbit / IgG
- Concentration: 0.5 mg/mL
- Vial of at least 100uL
- unconjugated

12	<b>Cell Counting Dye</b>	btl	1	4,150.00	JO JANE D. ATOK	4,150.00
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<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Suitable for all types of cell lines</li> <li>• Microscopic counting or machine counting compatible</li> <li>• Colorimetric detection method</li> <li>• Sufficient for at least 750 counts (10 µl/count)</li> <li>• Contains at least 0.4% in 0.81% sodium chloride and 0.06% potassium phosphate dibasic solution</li> <li>• Bottle of 100mL, sterile filtered</li> </ul>						
13	<b>Cell Culture Dissociation Reagents</b>	btl	1	9,100.00	JO JANE D. ATOK	9,100.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Suitable for all types of adherent cell lines</li> <li>• EDTA chelators, free of animal-derived components</li> <li>• No inhibitors needed to deactivate activity</li> <li>• Liquid form</li> <li>• Tested for In vitro bioassay</li> <li>• No phenol red</li> <li>• Bottle of 500mL</li> </ul>						
14	<b>Centrifuge (Conical) Tubes, 15mL Capacity</b>	pack	6	950.00	JO JANE D. ATOK	5,700.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• With graduations and marking spot.</li> <li>• Screwcap (plugseal)</li> <li>• Sterile. RNase-/DNase-free.</li> <li>• Non-pyrogenic</li> <li>• Polyethylene terephthalate (PET) material</li> <li>• At least 3600 centrifugal force (x g)</li> <li>• Pack of 50 Tubes</li> </ul>						
15	<b>Centrifuge (Conical) Tubes, 50mL Capacity</b>	pack	6	1,050.00	JO JANE D. ATOK	6,300.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• With graduations and marking spot.</li> <li>• Screwcap (plugseal)</li> <li>• Sterile. RNase-/DNase-free.</li> <li>• Non-pyrogenic</li> <li>• Polyethylene terephthalate (PET) material</li> <li>• At least 3600 centrifugal force (x g)</li> <li>• Pack of 25 Tubes</li> </ul>						
16	<b>Chemiluminescence reagent</b>	pack	3	7,003.00	JO JANE D. ATOK	21,009.00
<b>Specification:</b>						

- Detection level: Low-picogram to high-femtogram
- HRP (Horseradish Peroxidase) Substrate; 2°: 1:20-100K (10-50ng/mL), 1°: 1:1K (0.2- 1µg/mL)
- Pack of 20mL

17	<b>DAPI Fluorescent Stain</b>	pack	1	15,823.00	JO JANE D. ATOK	15,823.00
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**Specification:**

- Molecular Biology grade
- Mammalian cell culture suitable
- Cell-Impermeant
- Sub Cellular Localization: Nucleus
- Excitation/Emission: 360?460
- Pack of 6 bottles x 2.5mL per bottle

18	<b>Delicate Task Wipes</b>	boxes	20	800.00	JO JANE D. ATOK	16,000.00
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**Specification:**

74.4 x 8.4 inches (11 x 21 cm)  
 ?280 sheets/box  
 ?lint-free

19	<b>Dimethyl sulfoxide (DMSO), MBG</b>	btl	1	6,450.00	JO JANE D. ATOK	6,450.00
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**Specification:**

- Molecular Biology Grade (MBG) DMSO
- Suitable for Molecular Applications
- Nuclease-Free DMSO
- DNase-Free, RNase-Free, Protease-Free, Phosphatase-Free
- Bottle of at least 500mL

20	<b>Ethanol</b>	gallons	20	660.00	JO JANE D. ATOK	13,200.00
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**Specification:**

?95% solution, 1 gallon

21	<b>Ethyl Acetate</b>	btl	4	1,980.00	JO JANE D. ATOK	7,920.00
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**Specification:**

Analytical Reagent Grade, 2.5L per bottle

22	<b>Fetal/Foetal Bovine Serum (FBS)</b>	btl	4	20,000.00	JO JANE D. ATOK	80,000.00
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<b>Specification:</b> <ul style="list-style-type: none"> <li>• Cell culture: mammalian cell culture suitable</li> <li>• Certified Purity or Quality Grade</li> <li>• Heat inactivated</li> <li>• Endotoxin Level: ?5 EU/mL</li> <li>• Hemoglobin level: ?15 mg/dL</li> <li>• 100 mL per bottle</li> <li>• Species: Cattle?Bovine</li> </ul>						
23	Gloves, Nitrile, Medium	box	10	500.00	JO JANE D. ATOK	5,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>?Glove Type: Chemical Resistant Disposable Gloves</li> <li>?Glove Material: Nitrile</li> <li>?Powder-Free</li> <li>?1 box of 100 or 50 pairs</li> <li>?Food Safe</li> <li>?Size: Medium</li> </ul>						
24	Gloves, Nitrile, Small	box	15	500.00	JO JANE D. ATOK	7,500.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• box or 100-50 pairs, small</li> <li>• natural rubber latex-free, powderless</li> <li>• micro grip</li> </ul>						
25	Glycerol-based liquid fluorescent mounting medium	pack	1	22,648.00	JO JANE D. ATOK	22,648.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For cellular fluorescent imaging</li> <li>• Applied directly to fluorescently labeled cells or tissue samples on microscope slides</li> <li>• Pack of at least 5 vials with 2mL per vials</li> </ul>						
26	Glycine	btl	3	7,221.00	JO JANE D. ATOK	21,663.00



<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology, 99.0% assay quality</li> <li>• Suitable for protein analysis, SDS-PAGE and Western blot</li> <li>• DNases and RNases free</li> <li>• Phosphatases and proteases free</li> <li>• Crystalline form</li> <li>• Bottle of at least 500g</li> </ul>						
27	<b>Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488-conjugated</b>	Vial	1	18,690.00	JO JANE D. ATOK	18,690.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• Reactive to Mouse</li> <li>• Alexa Fluor® 488 conjugate</li> <li>• Liquid form</li> <li>• Concentration is 2 mg/mL</li> <li>• Vial of at least 1mg</li> </ul>						
28	<b>Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 647-conjugated</b>	Vial	1	23,808.00	JO JANE D. ATOK	23,808.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• Reactive to Mouse</li> <li>• Alexa Fluor® 647 conjugate</li> <li>• Liquid form</li> <li>• Concentration is 2 mg/mL</li> <li>• Vial of at least 1mg</li> </ul>						
29	<b>Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP-conjugated</b>	Vial	2	19,939.00	JO JANE D. ATOK	39,878.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Host/Isotype: Goat / IgG</li> <li>• Concentration: 1.5mg/mL</li> </ul>						

<ul style="list-style-type: none"> <li>• Vial of at least 2mL</li> </ul>						
30	<b>Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP-conjugated</b>	Vial	2	12,199.00	JO JANE D. ATOK	24,398.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Host/Isotype: Goat / IgG</li> <li>• Concentration: 1mg/mL</li> <li>• Vial of at least 0.2mL</li> </ul>						
31	<b>HEPES (N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid) buffer solution</b>	btl	1	7,930.00	JO JANE D. ATOK	7,930.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• For use with mammalian cell and tissue extracts</li> <li>• For molecular biology, analytical grade</li> <li>• Liquid form</li> <li>• 1M concentration</li> <li>• Sterile filtered</li> <li>• Bottle of 100mL</li> </ul>						
32	<b>Hexane 2.5L</b>	btl	4	2,500.00	JO JANE D. ATOK	10,000.00
<b>Specification:</b>  Analytical Reagent Grade 2.5L per bottle						
33	<b>In Situ Cell Death Detection Kit, Fluorescein</b>	pack	1	77,465.00	JO JANE D. ATOK	77,465.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Suitable for mammalian cell culture</li> <li>• Molecular biology grade</li> <li>• For the detection and quantification of apoptosis at the single-cell level, based on labeling of DNA strand breaks; analysis by fluorescence microscopy or flow cytometry</li> <li>• Sufficient for at least 50 tests</li> <li>• Kit of at least 50 tests/assays</li> </ul>						
34	<b>Insulin, human recombinant</b>	Vial	1	25,000.00	JO JANE D. ATOK	25,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• cell culture   mammalian: suitable</li> </ul>						




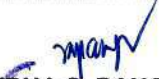
<ul style="list-style-type: none"> <li>sterile filtered of at least 0.2 <math>\mu</math>m</li> <li>727.5 units/mg potency</li> <li>dry powder, 100mg</li> </ul>						
35	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	btl	6	2,500.00	JO JANE D. ATOK	15,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Suitable for manual, ultrasonic, and machine washing</li> <li>Completely biodegradable</li> <li>Free of phosphate, chlorine, enzyme, and EDTA</li> <li>Contains anionic and cationic surfactants</li> <li>5 liters per bottle</li> </ul>						
36	<b>Methanol or Methyl alcohol</b>	btl	4	1,950.00	JO JANE D. ATOK	7,800.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>HPLC Grade</li> <li>2.5L per bottle</li> </ul>						
37	<b>MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)</b>	Vial	1	16,538.00	JO JANE D. ATOK	16,538.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Molecular biology grade</li> <li>For assessing cell viability as a function of redox potential</li> <li>Solid form</li> <li>Vial of at least 1g</li> </ul>						
38	<b>Oil Red O, Biological Stain</b>	gms	1	7,500.00	JO JANE D. ATOK	7,500.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Cell culture: mammalian suitable</li> <li>analytical grade</li> <li>powder; 100 g per bottle</li> <li>staining and visualizing general localization of fats</li> </ul>						
39	<b>Paraformaldehyde</b>	btl	1	8,750.00	JO JANE D. ATOK	8,750.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Reagent or analytical grade</li> <li>For use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies</li> <li>Crystalline form</li> <li>Bottle of 25g</li> </ul>						
40	<b>Perilipin 1 Polyclonal Antibody, unconjugated</b>	Vial	1	38,640.00	JO JANE D. ATOK	38,640.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>Molecular Biology grade</li> </ul>						

<ul style="list-style-type: none"> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Host/Isotype: Rabbit / IgG</li> <li>• Reactive to mouse, rat</li> <li>• Concentration: 1 mg/mL</li> <li>• Vial of at least 100uL</li> </ul>						
41	<b>PI-3 Kinase p110? antibody, unconjugated</b>	Vial	1	41,400.00	JO JANE D. ATOK	41,400.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Reactive to Human, Mouse, Rat</li> <li>• Host/Isotype: Rabbit / IgG</li> <li>• Vial of at least 100uL</li> </ul>						
42	<b>Potassium chloride (KCl) solution</b>	btl	1	5,090.00	JO JANE D. ATOK	5,090.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade, Rnase-free</li> <li>• For use with mammalian cell and tissue extracts</li> <li>• Liquid form</li> <li>• 2M concentration</li> <li>• Bottle of 100mL</li> </ul>						
43	<b>PPAR? polyclonal antibody, unconjugated</b>	Vial	1	35,669.00	JO JANE D. ATOK	35,669.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Reactive to Human, Mouse, Rat</li> <li>• Host/Isotype: Rabbit / IgG</li> <li>• Vial of 100uL</li> </ul>						
44	<b>Propidium iodide - Fluorescent Stains</b>	Vial	1	18,750.00	JO JANE D. ATOK	18,750.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Suitable for mammalian cell culture</li> <li>• For molecular biology, analytical grade</li> <li>• Vial of 100mg per vial</li> </ul>						

45	<b>Protease Inhibitor, Complete</b>	btl	1	59,208.00	JO JANE D. ATOK	59,208.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• For use with mammalian cell and tissue extracts</li> <li>• For molecular biology, analytical grade</li> <li>• Inhibits serine, cysteine, and acid proteases, and aminopeptidases</li> <li>• Contains AEBSF, Aprotinin, Bestatin, E-64, EDTA, Leupeptin</li> <li>• Bottle for 10mL cocktail</li> </ul>						
46	<b>Protein A Agarose</b>	btl	1	58,627.00	JO JANE D. ATOK	58,627.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Suitable for purifying IgG molecules</li> <li>• Affinity column type</li> <li>• Supplied as a suspension</li> <li>• Bottle of at least 5mL</li> </ul>						
47	<b>Protein Standard/Ladder, Pre-stained</b>	pack	1	21,470.00	JO JANE D. ATOK	21,470.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology</li> <li>• Suitable for protein analysis, SDS-PAGE and Western blot</li> <li>• At least 12 marker ladder, ready-to-use</li> <li>• 3.5 to 260 kDa size range</li> <li>• Pack of at least 2 vials x 250uL per vial</li> </ul>						
48	<b>PVDF membrane for Western blotting, 8.6 x 13.5 cm</b>	pack	2	40,739.00	JO JANE D. ATOK	81,478.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Detection methods: Chemiluminescence, Colorimetric</li> <li>• Pore Size: 0.45µm</li> <li>• Target protein &gt;20 kDa</li> <li>• Dimension: at least 8.6 x 13.5 cm</li> <li>• Pack of at least 16 membranes</li> </ul>						
49	<b>PVDF Syringe Filters, Size: 0.2 um/ at least 17mm</b>	pack	1	9,621.50	JO JANE D. ATOK	9,621.50
<b>Specification:</b> <ul style="list-style-type: none"> <li>• For general biological filtration and of samples where high protein recovery is desired</li> </ul>						



<ul style="list-style-type: none"> <li>• Size: 0.2 um/ at least 17mm</li> <li>• Sterile or autoclavable</li> <li>• Pack of 1000</li> </ul>						
50	<b>PVDF Syringe Filters, Size: 0.45 um/ at least 17mm</b>	pack	1	9,621.50	JO JANE D. ATOK	9,621.50
<b>Specification:</b> <ul style="list-style-type: none"> <li>• For general biological filtration and of samples where high protein recovery is desired</li> <li>• Size: 0.45 um/ at least 17mm</li> <li>• Sterile or autoclavable</li> <li>• Pack of 1000</li> </ul>						
51	<b>RNA isolation Reagent</b>	btl	1	44,198.00	JO JANE D. ATOK	44,198.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Suitable for biological isolation from the cultured cell, animal and plant tissue, yeast, virus, and bacteria</li> <li>• Convenient isolation of RNA, DNA, and protein from the same sample source</li> <li>• Bottle of at least 200mL</li> </ul>						
52	<b>Sodium dodecyl sulfate (SDS)</b>	btl	1	26,645.00	JO JANE D. ATOK	26,645.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade, at least 99.0% assay quality</li> <li>• Suitable for protein analysis and electrophoresis</li> <li>• Dnase-free and Rnase-free</li> <li>• Phosphatase-free and proteases-free</li> <li>• Bottle of at least 500g</li> </ul>						
53	<b>Triglyceride Assay Kit (luminescence detection method)</b>	pack	2	50,124.00	JO JANE D. ATOK	100,248.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• Works with lysed cells, tissues, medium and serum samples</li> <li>• No organic extraction, extreme heat, or centrifugation required</li> <li>• Linear triglyceride detection up to 80µM</li> <li>• For bioluminescent assay</li> <li>• Pack of at least 10mL total volume assay kit</li> </ul>						
54	<b>Triton X-100</b>	btl	1	9,120.00	JO JANE D. ATOK	9,120.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade</li> <li>• For biochemical applications to solubilize proteins</li> <li>• Liquid form</li> </ul>						

<ul style="list-style-type: none"> <li>• Bottle of 10mL per bottle</li> </ul>						
55	Trizma base	btl	3	15,550.00	JO JANE D. ATOK	46,650.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular biology grade, at least 99.8% assay quality</li> <li>• Suitable for cell culture</li> <li>• Dnase-free and Rnase-free</li> <li>• Phosphatase-free and proteases-free</li> <li>• Crystalline form</li> <li>• Bottle of at least 1Kg</li> </ul>						
56	?-actin polyclonal antibody, unconjugated	Vial	1	23,968.00	JO JANE D. ATOK	23,968.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Reactive to Human, Mouse, Rat</li> <li>• Concentration: 1 mg/mL</li> <li>• Host/Isotype: Rabbit / IgG</li> <li>• Vial of at least 100ug</li> </ul>						
57	?-catenin polyclonal antibody, unconjugated	Vial	1	39,478.00	JO JANE D. ATOK	39,478.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Molecular Biology grade</li> <li>• Suitable for mammalian cell culture</li> <li>• For Western Blot, IF, ICC, IHC</li> <li>• Reactive to Human, Mouse, Rat</li> <li>• Host/Isotype: Rabbit / IgG</li> <li>• Vial of at least 500uL</li> </ul>						
<b>TOTAL</b>						<b>1,476,568.00</b>
Purpose: For laboratory use.						
Checked by:  <b>ELIZABETH S. QUEVEDO</b> TWG - Laboratory Supplies				Funds Available:  <b>MYRNA S. PANCITO</b> <small>unr</small> HEAD, BUDGET OFFICE		

Signature:	Requested by:	Noted by:	Approved by:
Printed Name:	<b>JO JANE D. ATOK</b>	<b>EDGARDO E. TULIN</b>	<b>EDGARDO E. TULIN</b>
Designation:	END USER	UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU





## JUSTIFICATION

June 15, 2021

To whom this may concern:

I, **JO JANE D. ATOK**, hereby justify the reason for specifying a brand, i.e., Alexa Fluor, for items 27 and 28 in PR No.: GF-2021-06-00332.

The brand "Alexa Fluor" was specified in the referred methodology of the project, and to avoid possible errors during the conduct of the experiment, the specific reagents should be procured. And although Alexa Fluor is a brand, most suppliers for molecular reagents and chemicals can offer since this brand is carried by various companies in their Life Sciences Products.

Hoping for your kind consideration and approval.

Sincerely yours,

  
**JO JANE D. ATOK**  
Study Leader

Approved by:

  
**EDGARDO E. TULIN**  
Project Leader