

Statement of Work  
**Research Lab 22 Equipment**  
Southeast Louisiana Veterans Health Care System  
Research Service  
New Orleans, LA  
11/16/2017

1. PURPOSE

1.1 The overall purpose is to provide and configure equipment for the Veterinary Medical Unit at Southeast Louisiana Veterans Health Care System (SLVHCS) Research Building, "P", 2400 Canal St, New Orleans, LA 70119. This equipment is requested to fulfill the Research mission.

2. SCOPE

2.1 The Contractor shall provide, transport, install, and configure all listed equipment. All products must meet all salient characteristics defined in this section.

2.2 All equipment and installation must meet manufacturers and VA specifications.

2.3 The Contractor shall furnish all supplies, equipment, facilities and services required for delivery and installation of the supplies and equipment.

2.4 The Contractor is responsible for any missing parts and components not included to carry out the installation.

3.0 SALIENT CHARACTERISTICS:

BRAND NAME OR EQUAL ITEMS: THE BRAND NAME NOTED IN THIS SOLICITATION IS INTENDED TO BE DESCRIPTIVE AND NOT RESTRICTIVE. IF YOU PLAN TO PROVIDE OTHER THAN THE BRAND NAME ITEMS (I.E. OR EQUIVALENT/BRAND NAME OR EQUAL/ALTERNATE/SUBSTITUTE ITEMS) CITED IN THE PURCHASE DESCRIPTION, PROVIDE IN YOUR RESPONSE THE BRAND NAME AND THE CATALOG OR PART NUMBER YOU INTEND TO FURNISH AND THE SALIENT CHARACTERISTICS FOR EACH OF THE EQUIVALENT/BRAND NAME ITEMS.

3.1 Description: Belly Dancer Shaker, 20 each, Configured in Research building rooms  
Suggested Manufacturer Brand Name/ Model: Stovall BDRAA115S, Cole Palmer, **Or Equivalent**  
Specifications/Salient Characteristics:

Requirement to include smooth combination of vertical and horizontal orbital motion to allow more rapid exchange of solvents in applications such as staining and destaining gels.

For applications including: Gels: Staining and destaining Blotting: Northern, Southern, or Western

Various Environments: benchtop, incubators, cold rooms

Approximate values:

- No more than Max Speed (rpm)125
- Minimum Platform Length (in)12
- Minimum Platform Width (in)12
- Up to Max Operating Temperature (° F)104
- Up to Max Operating Temperature (° C)40
- Power (VAC)110 to 115

3.2 Description: Incubated orbital shaker with the universal platform and the clamp starter kit; 6 each; configured in Research building rooms  
Suggested Manufacturer Brand Name/ Model: #SHKE4000 PROMO Thermo Scientific MaxQ Digital HP S Ahakers with universal platform and clamp starter kit **OR EQUIVALENT**

Specifications/Salient Characteristics:

Approximate values:

Chamber to hold minimum 6 x 2Liter flasks

Benchtop type, stackable

Motion Orbital

Platform size inches 18"x18"

At least 250 ml flask

Capacity dedicated platform

Orbit diameter 0.75" motion reciprocating inches

At least RPM range Analog: 40-4004 Digital: 15-500

Temperature range TA +10°C TA +10°C

°C (TA=ambient to 60°C to 80°C

temperature)

Maximum load lb. (kg) 50 (22.7)

3.3 Description: Basic Gravity Convection General Incubators, 10 each; configured in Research rooms  
Suggested Manufacturer Brand Name/ Model: VWR Basic Gravity Convection General Incubators; VWR 414005-128 **Or Equivalent**

Specifications/Salient Characteristics:

Basic Gravity Convection General Incubators are designed for convenient and safe use in many applications, such as Animal & Plant Cell Culture, Constant Temperature, and Germination Test.

Approximate values:

- Microprocessor control
- 32 liter volume, approximate
- Rotary knob interface
- Temperature range: Ambient +8 to 65°C
- Sensor error detection
- interface for monitoring and controlling with PC
- All incubator units should feature stainless steel ventilation cap or equivalent,
- two doors (one solid, one glass),
- high temperature grade foamed silicone rubber door gaskets, or equivalent
- over-temperature and over-current protection, and sensor error detection.
- Units are to be constructed with a durable, exterior, stainless steel interior, two stainless steel shelves, and glass wool insulation or equivalent.
- A locking mode to assist in preventing unintended temperature changes.
- Unit to be equipped with an internal 110V outlet for auxiliary equipment.

3.4 Description: General Protocol Ovens, 10 each; configured in Research building rooms

Suggested Manufacturer Brand Name/ Model:

Heratherm General Protocol Ovens (51 028 872H 100L GP GRAVITY OVEN 120V) **OR EQUIVALENT**

Specifications/Salient Characteristics: Or Equivalent

Approximate values:

Gravity convection units are to be designed to protect delicate samples while offering temperature uniformity of no less than  $\pm 4^{\circ}\text{C}$  or better, and temperature stability of at least  $\pm 0.4^{\circ}\text{C}$  at  $150^{\circ}\text{C}$ .

- 100 Liter capacity or within 3%
- Operating temperatures from no less than  $50^{\circ}$  to no more than  $250^{\circ}\text{C}$
- Automatic over-temperature alarm system to protect samples
- Built in timer
- Corrosion-resistant chambers
- Vacuum fluorescent display
- Microprocessor-controlled touch button operation or equivalent.
- Easy to access—doors can be opened to over  $180^{\circ}\text{C}$

Recommended for: Drying and baking

3.5 Adjustable volume Manual pipettes with stand sets, 10 each, configured in Research building rooms  
Suggested Manufacturer Brand Name/ Model: Eppendorf 6 Pack Pipette with stands, Starter Kit EP-START, **Or Equivalent**

Specifications/Salient Characteristics:

Approximate values:

- Visible Volume Adjustment
- Filter Protection
- Calibration capable
- Autoclavable
- Universal Tip Compatibility
- Factory Set Accuracy no less than  $1\mu\text{l} \pm 0.01\mu\text{l}$
- Repeatability up to  $1\mu\text{l} \pm 0.05\mu\text{l}$
- Increment at least  $0.05\mu\text{l}$
- Includes 6 adjustable-volume pipettes no more/less ( $0.1\text{--}2.5\ \mu\text{L}$ ,  $0.5\text{--}10\ \mu\text{L}$ ,  $2\text{--}20\ \mu\text{L}$ ,  $10\text{--}100\ \mu\text{L}$ ,  $20\text{--}200\ \mu\text{L}$ ,  $100\text{--}1,000\ \mu\text{L}$ ),
- Include Carousel Stand Holder,
- 4 Packs (approximate #) of 960 Filter Tips 10ul, 40ul, 200ul, 1000ul
- 3 Packs (approximate #) of 960 Non-Filter Tips
- Eclipse Reloads 10ul, 200ul, 1000ul

3.6 Description: Manual Slide Staining Set, 6 each configured in Research building rooms

Suggested Manufacturer Brand Name/ Model: TissueTek: 4451VWR, **Or Equivalent**

Specifications/Salient Characteristics:

Approximate values:

The Manual Slide Staining Set can be used for histological or cytological staining procedures. The set provides simultaneous use of up to 12 solution wells, each deep enough to permit total immersion of minimum 2.5 up to 7.6 cm slides. The frame should be solvent-resistant, with a snap-locking cover that prevents spills. Include at least ten white polypropylene dishes and two green solvent-resistant dishes.

Tight-fitting lids for each solution dish to eliminate evaporation.

To include up to 12 dishes and lids, a up to 12-unit metal carrier and a drain tray cover.

Accessories for the Manual Slide Staining Set include green and white staining dishes and at least 24-slide holder with detachable handle.