**Exhibit A**

**Mandatory Specifications for Sterilizer (Autoclave)**

1. The unit must use pressurized steam and be able to sterilize liquids by gravity in flasks with vented closures and wrapped (enclosed) samples at 270 degrees F (132 degrees C) or above.
2. The unit must have minimum interior dimensions of 20"x20"x38" providing for an interior chamber size of at least 8.7 cubic’ feet. The maximum acceptable interior chamber size is 9.8 cubic feet.
3. The unit must be freestanding and must be equipped with a printer that produces printouts of completed cycle information.
4. The control(s) must be mounted so as not to expose the sensitive components to steam and heat. Controls mounted directly on the unit over the door are not acceptable.
5. The control must document all cycle information, including key transition points in the cycle, alarms and deviations that may jeopardize the sterilization process, resulting in inadequate decontamination. Controls must document the following minimum cycle alarms: (1) Vessel Flood Alarm, (2) Steam Table Deviation, (3) Chamber Drain Probe Alarm, (4) Under Temperature Alarm, (5) Over Temperature Alarm.
6. The control system memory of the unit must provide a minimum of four cycles.

The sterilizer must provide a manual control that can run a complete cycle, from start to finish manually, in the event of a power failure.

1. The manual control must be located in an easily accessible and safe location for usage, not behind the unit or in an area that is hard to reach.
2. The autoclave door must be designed with independent mechanical and control features that provide for safety. (1) A control lockout switch in the door that prevents starting a cycle if the door is not closed and locked. (2) Mechanical steam pressure lock - chamber pressure must "activate" a mechanism engaging the lock mechanism preventing an operator from opening a door if pressure exists in the chamber. (3) Visual chamber gauge that easily identifies pressure in the chamber should be accessible to the operator. This gauge should be a backup to the control read, out and will operate with no electrical power to the unit. Even with a total control failure, all mechanical safety features must be left intact.
3. If the sterilizer will be supported on a steel stand, the stand must be appropriately coated for corrosion protection. The stand must be designed to meet seismic code applicable to the location where the unit will be permanently located.
4. Specification documents and associated operating manual(s) showing operating instructions and the configuration of all operational parts and the manufacturer must provide controls of the purchased sterilizers with the unit at the time of delivery.
5. The unit must be Underwriters Laboratory (UL) certified and meet ASME code where applicable to the pressure chamber and/or the power boiler of the unit if a steam generator is supplied.

**Installation:**

1. Vendor must confirm permanent installation site (room) meets the manufacturer's specifications and requirement(s) for installation prior to delivery of the sterilizer specified in this RFQ.
2. On-site installation is not part of this procurement and will be provided via a separate contract.

**Training:**

1. The manufacturer must provide on-site training or manufacturer's authorized representative.

**Warranty:**

1. A written warranty covering performance, as well as defect in materials and workmanship will be required. The complete sterilizer system (autoclave) must have a minimum one-year commencing the day following acceptance. The warranty shall be personal to the submitter of the proposal, regardless of whether the submitter is the manufacturer, producer, or supplier of the hardware, or system.
2. Service providers authorized by the manufacturer for first year warranty service and any extended service on contract must be able to supply on­ site service within seventy two (72) hours of the service provider receiving a request for service. Quotes should indicate what the average response time is for warranty calls and from what geographic location on-site technicians would travel.

**Service Agreement/Extended Warranty:**

1. The sterilizer must be serviceable on an extended service contract extending a minimum of 12 months beyond completion of the first-year warranty period (as defined in the RFQ) and be serviced by the manufacturer or the vendor.
2. If a longer extended service contract is available, then vendor's price quote should reflect prices for various requested options

**Delivery:**

1. Prefer delivery by June 30, 2012. Delivery personnel must bring autoclave inside, “dock delivery” is not acceptable.

**Documents:**

1. Quotes shall include an itemized list of all equipment, specifications/performance, cost, delivery time, pre-installation guidelines, warranty, and service to achieve the scope of work of requested in the RFQ.