

**SALIENT CHARACTERISTICS**  
**VA Solicitation Number VA246-16-Q-1491**  
**Requirement Title: Phacoemulsification System**

**Need – Phacoemulsification Vision System for Durham VA Medical Center, Durham NC**

**Market – Open Market**

**Brand Name Product – Alcon Laboratories’ Centurion Vision System and Centurion Ozil Phaco Handpieces**

**To be considered for evaluation, offered items must meet the following salient characteristics:**

**1. Product 1: Phacoemulsification System**

**1.1. Functions to be performed;**

- 1.1.1. The system shall provide a controlled fluidic environment during lens removal/cataract surgery and implantation of the intraocular lens (IOL).

**1.2. Performance required;**

- 1.2.1. The system shall be capable of setting a target intraocular pressure (IOP) using a bag and pump system to adjust fluid compression. *Systems using gravity fluidics and/or pressurized irrigation fluidics will be found technically unacceptable.*
- 1.2.2. The system shall allow the surgeon to compensate for patient eye level.
- 1.2.3. The system shall monitor aspiration flow rate, infusion pressure and vacuum to adjust for pressure changes during surgery.
- 1.2.4. The system shall be FDA approved.
- 1.2.5. The system shall allow surgeons to set the time in which the system will reach targeted IOP.
- 1.2.6. The system shall allow surgeons to set factors to compensate for tip/sleeve selections.
- 1.2.7. The system shall utilize computer software and a graphical user interface (GUI) for the setting of target IOP and related adjustments.

**1.3. Essential Physical Characteristics;**

- 1.3.1. The system shall have a wireless foot pedal to prevent damage when beds and chairs are moved during surgery and when other services are in the operating rooms.

**2. Product 2: Phacoemulsification Vision System Handpieces**

**2.1. Functions to be performed;**

2.1.1. The quoted handpiece shall be for the purpose of cataract emulsification.

**2.2. Performance required;**

2.2.1. The quoted handpiece shall utilize torsional technology for the application of energy.

**2.3. Essential Physical Characteristics;**

2.3.1. The quoted handpiece shall have a Luer lock (Luer taper).

2.3.2. The quoted handpiece shall have a tip bevel alignment.