

Statement of Work for Acquisition of automated RNA extraction system:

**Statement of work:**

This request is for the acquisition of a system that will automate the extraction of nucleic acids (DNA, total RNA, mRNA) or proteins from multiple sample types (primary cells, cell culture, fresh/frozen tissue, FFPE tissue). This unit is required to accelerate RNA extraction in the lab, impacting every project currently underway, including significant work on COVID. The system must be of a benchtop unit of small form factor and capable of performing at 6-12 samples per run. The system must be able to isolate these materials using a magnetic bead-based approach to ensure an end-product of high yield and purity.

**Statement of Need:**

The awarded vendor will need to be able to provide an instrument that will isolate RNA, DNA and protein from diverse sample types using suitable reagents for downstream applications, including: reverse transcription, real-time PCR, Nanostring technologies and Luminex applications.

- Cell culture samples
- Primary cells from multiple species
- Body fluids
- Tissue samples larger than 20 mg
- Bacterial cultures
- Virus samples

The system will use a magnetic bead isolation system that traps the molecules of interest and transfers them from one fluid container to the next automatically, using a set protocol as determine by provided control software the is either built into the instrument or run on a companion PC. The instrument should be provided with appropriate control software as part of the total cost of the system. The instrument should be able to process up to 12samples. It should have a small footprint in the laboratory to conserve bench space. Additionally, the system should have an internal UV-light to decontaminate the unit between runs, preventing cross-contamination between experiments.

**Delivery Requirements:**

The awarded vendor will provide the instrument within 30 days of the awarded date and will provide technically support for the instrument during the warranty period of performance.

SKU	Description	Qty	Price
5400110	KINGFISHER DUO PRIME	1	\$24,897.60
TRN00340	SMARTSTART KINGFISHER, 1DAY	1	Included

**Warranty:**



The warranty period should be at least 1 year and include:

- Replacement or repair of any problems
- All costs associated with any service in the first year
- If necessary, replacement with genuine parts or an equivalent unit
- Full software support

**Period of Performance:**

The vendor should provide full support for this instrument for 1 year, starting from the date of receipt of the instrument.

**Place of Performance:**

The instrument will be delivered to FDA White Oak campus, building 52/72, room 2146B

The instrument will be delivery to the FDA White Oak campus (10903 New Hampshire Ave. Silver Spring, MD); to building 52/72, room 2146.

TPOC and COR: Derek D.C. Ireland, Ph.D.  
10903 New Hampshire Ave.  
Building 52/72, Rm. 2107  
Silver Spring, MD 20903

**Special Requirements:**

- Only certified field technicians must be used for maintenance
- Must be able to provide any needed parts, labor, and travel for repair in a timely fashion (3-7 days)
- Scheduling must be Monday-Friday between the hours of 9am-4pm.
- Scheduling to be coordinated through the TPOC on the contract.
- All technicians must be US Citizens, residents or a foreign national that has been cleared by security and have a valid U.S. Driver's license for entry through security

**Quotation Instructions**

All quotes are due by e-mail to Nina Montgomery, [Nina.Montgomery@fda.hhs.gov](mailto:Nina.Montgomery@fda.hhs.gov) on or before May 26, 2020 at 10:00 am (Eastern Standard Time).