STATEMENT OF WORK

1) BACKGROUND INFORMATION

The Flow Cytometry Section (FCS) provides the Division of Intramural Research (DIR) with application-specific flow cytometric technologies, including instrumentation and multi-color analysis. In addition, the FCS provides training, consultation, method development, and analysis for experiments involving flow cytometry. This mission is accomplished through the efforts of staff with extensive flow cytometry experience and with the use of cell sorters and analyzers. Major goals are to provide access to state-of-the-art technologies, to help design and run experiments, to facilitate data interpretation, and to provide results that are of consistent high quality.

The FCS has multiple high-end Becton, Dickinson, and Company (BD) cytometers, high throughput samplers (HTS), flow supply systems, and lasers already in use for imaging various samples. These instruments are constantly in use on a daily basis and if it were put out of action due to lack of maintenance or mechanical failure the ability of the investigators in the DIR to conduct their research would be severely handicapped. It is for this reason that a Service Agreement is essential these BD instruments.

2) PURPOSE AND OBJECTIVES OF THE ACQUISITION

The purpose of this acquisition is to provide a maintenance agreement for eight (8) cytometers, four (4) high throughput samplers (HTSs), six (6) flow supply systems, and thirty-six (36) lasers in order to maintain them in optimal operating condition. The instruments to be serviced are:

Name	S/N	Quantity
FACSAria III	P99900014	1
FACSymphony A3	R66093700076	1
FACS Flow Supply System	N3492775749	1
FACSymphony A5	R66096400063	1
FACS Flow Supply System	349277N0667	1
High Throughput Sampler	U64770160083	1
Fortessa X20	H64717700055	1
FACS Flow Supply System	N3332	1
High Throughput Sampler	R647701000415	1
Fortessa X20	R64717700196	1
FACS Flow Supply System	N3492775405	1
High Throughput Sampler	R647701000401	1
Fortessa X20	H64717700104	1
FACS Flow Supply System	N3492774233	1
High Throughput Sampler	R647701000048	1
FACSymphony A3	R66093700215	1
FACS Flow Supply System	349277N0263	1

Fortessa X20	R64717700194	1
SAPPHIRE 561-50 Y/G Lsr	No S/N	1
OBIS 561-100 LS Y/G Laser	No S/N	3
G4 355-20 w/BE UV Lsr	No S/N	1
OBIS 488-100 LS Blue Lsr	No S/N	4
OBIS 405-100 LX Violet Lsr	No S/N	5
OBIS 637-140 LX Red Lsr	No S/N	2
SAPPHIRE 488-200 Blue Lsr	No S/N	1
MPB 628-1000 .3mm Red SORP Lsr	No S/N	1
OBIS 405-200 LX Violet Lsr	No S/N	1
G4 355-60 w/BD UV Lsr	No S/N	4
MPB 532-1000 SORP Green Laser	No S/N	1
SAPPHIRE 488-200 Blue Lsr	No S/N	1
Cube 637-150 Red Lsr	No S/N	2
SAPPHIRE 561-150 Yellow Lsr	No S/N	1
Cube 405-100 SORP Laser	No S/N	1
LIGHTWAVE XYCTE 355-60 UV Lsr	No S/N	1
OBIS 640-100 LX Red Lsr	No S/N	2
OBIS 561-100 LS Y/G Laser	No S/N	1
SAPPHIRE 488-100 LP Blue Lsr	No S/N	1
SAPPHIRE 561-100 Y/G Lsr	No S/N	1
G4 355-20 UV Lsr	No S/N	1

Becton, Dickinson, and Company (BD) cytometers and lasers provide flow cytometric analysis and sorting for all the Intramural program within the National Institute of Allergy and Infectious Diseases (NIAID). Each instrument supports multiple experiments each day, and each instrument if fully utilized. The research projects supported are complex and varied. As such, the facility is required to maintain equipment that provides for a wide range of applications that includes the ability to modify and adapt capabilities as new applications are developed. Due to heavy use, the instruments must be repaired, recalibrated, and returned to operation as soon as possible after failure. To assure optimal performance and reliability, the instruments require maintenance by specially trained and experienced service engineers. If the systems were put out of action due to the lack of maintenance or mechanical failure, the ability of the investigators in the DIR to conduct their research would be severely handicapped. Therefore, the FCS requires a 12-month service agreement starting in July 2026 to ensure that an instrument is back to service as quickly as possible after a failure or necessary maintenance.

3) SCOPE

The contractor shall perform preventive, remedial maintenance and repair services to maintain the BD instruments in good working condition in accordance with the equipment manufacturer's specifications.

4) PERIOD OF PERFORMANCE/LOCATION OF PERFORMANCE

Period of Performance July 21, 2026 – July 20, 2027
Location of Performance: Rockville, MD

5) CONTRACTOR REQUIREMENTS

The Contractor shall provide services coverage for the BD instruments referenced above that includes the following:

- Two (2) Preventive Maintenance (PM) inspections to be performed during a twelve-month period, including 2 PM Kits.
- Software revisions released during the Agreement term.
- Unlimited service visits, by guaranteed OEM technicians, Monday-Friday, excluding holidays.
- Unlimited telephone support for instruments, reagents and applications will be provided at no additional charge.
- Every reasonable effort will be made to respond to a request for emergency on-site service (Monday through Friday, excluding holidays) within 48 hours.
- OEM parts, labor and travel for remedial repair.
- Update installations at the time of scheduled preventive maintenance visits

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6) CONTRACTOR SUPPLIED MATERIALS

The Contractor shall provide all necessary parts and equipment necessary to perform remedial repair and planned maintenance of the above equipment.

7) GOVERNMENT FURNISHED MATERIALS

No Government furnished materials are provided under this contract.

8) REPORTING REQUIREMENTS AND DELIVERABLES

Technical support, remedial repair as needed, two annual planned maintenance, and reporting document of service after PMs and repairs are completed. 48-hour priority response to a request for emergency on-site service Monday – Friday, excluding holidays.

9) INSPECTION AND ACCEPTANCE

a) All work will be inspected and approve by Derek Einhaus, Scientific Operations

Manager at the completion of any repairs and at the completion of the annual maintenance.

b) All work will be completed in accordance with industry standards.