

**BIDFORM  
(Technical Specification)**

**“FOR ENVELOPE 1”**

Bid no. : BAC3-NIH-IMBB-PR9278  
Date : November 25, 2019

Unit : Institute of Molecular Biology and Biotechnology

	REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS	REFERENCES (include Supporting documents)	COMMENTS/REMARKS (clarify inclusion/exclusion)	EVALUATION
	<p><b>Supply of Precision Dispensing System</b></p> <p><b>Specification:</b></p> <p>1. <b>1 x Aspirate/Dispense Platform with the following specifications.</b></p> <ul style="list-style-type: none"> <li>- Tabletop workstation designed for high speed aspirating and dispensing\ application to glass slides, microtiter plates or membranes.</li> <li>-Enclosed platform area to prevent contamination and for controlled humidity</li> <li>-Configurable to up to four dispensers or more. Current system must be supplied with two dispensers</li> <li>-Includes magnetic hold down, flat and empty nest but is adaptable to the following nest options: 2 position MTP, 14 position glass slide, custom/user-defined</li> <li>-Adapted to the following nest options: 2 position MTP, 14 position glass slide, vacuum magnetic hold down, custom user defined.</li> </ul>				

Note: Pls. fill-up all applicable columns.

End-User:

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End-user / Representative

Signature of Representative \_\_\_\_\_

Name of Representative \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Telephone/Fax/E-mail \_\_\_\_\_

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	<ul style="list-style-type: none"> <li>-With overhead gantry XYZ system.</li> <li>-With integrated wash/waste/ vacuum station (wash/waste flow rate:2/4 mL/s), humidity control, in-line degasser, and camera system</li> <li>-With control workstation with appropriate control software</li> <li>-Dimensions: max of 61 cm x 46cm x 46cm (LxWxH)</li> <li>-Dispense Area Dimensions: 185mm x 195mm</li> <li>-Weight: 37kg to 40kg</li> <li>-Power requirement: 110/220 VAC; 50/60Hz</li> <li>-Vacuum: -15 to -20 in Hg</li> <li><b>2. 2x Non- Contact Solenoid Dispenser</b></li> <li>-High-speed micro solenoid valve coupled with high-resolution syringe pump</li> <li>-Has Aspirate/Dispense and Bulk Dispense mode</li> <li>-Printing with “step-and-repeat” and “on-the-fly” modes</li> <li>-Precision low volume drop dispensing: capable of nanoliter to microliter dispensing (1.3nL – 1uL as a single drop, or &gt;5 nL with “on-th-fly” mode</li> </ul>				

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	<p>- 12v, 90 deg lead FTG tip, ceramic 190U orifice, .75" Long</p> <p><b>3. 1 x Vacuum Pump</b></p> <p>-Capable of supplying vacuum for nest: -15 in Hg through provided 1/4" Tubing</p> <p>- Capably of maintaining vacuum for vacuum station: -20 in Hg through provided 3/8" tubing</p> <p><b>4. 1 x Solid Ink Printer</b></p> <p>-Print Speed for fast color: up to 40 ppm; for standard: up to 30ppm; may be enhanced up to 19 ppm or better</p> <p>-With 1 GHz or Higher processor, 512MB or higher memory, 2400 dpi or higher print resolution</p> <p>-Max duty cycle of 85 000 pages or higher</p> <p>-Compatible with solid ink stick/ wax stick (black, cyan, magenta, yellow)</p> <p><b>5. System Installation and Training</b></p> <p><b>6. 1-year Warranty on parts and services</b></p> <p><b>VAT Inclusive</b></p> <p><b>Please See Attached Terms and Conditions</b></p>				

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