


INVITATION TO BID - Addendum 03		BID DUE DATE AND TIME
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE		01/30/2024 11:00 AM CT
SOLICITATION RFQ-0000002109 SUPPLIER # SUPPLIER NAME AND ADDRESS <div style="border: 1px solid black; height: 100px; width: 100%; margin-top: 10px;"></div>	RETURN BID TO <div style="font-size: 24px; text-align: center; margin-top: 20px;">lsubids@lsu.edu</div> Buyer Amy Hill Bourgeois Buyer Phone Buyer Email ahill5@lsu.edu Issue Date 01/03/2024	
TITLE: Dynamic Light Scattering and Zeta Instrument		
<p>Addendum 03: Notice is given to all parties that this solicitation is amended by the University as stated herein. This Addendum is hereby made an official part of this solicitation. See attached revised specifications.</p>		
<p>To Be Completed By Supplier</p> <ol style="list-style-type: none"> 1. _____ "No Bid" (sign and return this page only). 2. _____ My Company does not wish to receive future solicitations for this spend category. 3. Specify your Delivery: To be made within _____ days after receipt of order. 4. If applicable, Supplier's Addendum Acknowledgement/Response: As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and _____ submit no alterations/clarifications to our original bid. _____ submit superseding revisions/clarifications to our original bid as written herein or attached hereto. <p style="text-align: center;">General Instructions to Suppliers</p> <ol style="list-style-type: none"> 1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time. 2. Read the entire solicitation, including all terms, conditions and specifications. 3. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier. 4. Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment. 5. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later. 6. By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud. 		
SUPPLIER NAME	MAILING ADDRESS	
AUTHORIZED SIGNATURE	CITY, STATE ZIP	
PRINTED NAME	PHONE #	
TITLE	FAX #	
E-MAIL	FEDERAL TAX ID #	

Specifications for Dynamic Light Scattering (DLS) and Zeta Potential Instrument with Titrator and Degasser

Purchase/Scope of Purchase: The LSU Department of Chemistry is purchasing an Instrument for the combined measurement of size (hydrodynamic radius, using dynamic light scattering (DLS)) and zeta potential (Electrophoretic mobility measurement). The instrument must also have a Titrator with degassing capabilities. **See **NOTES below regarding the degasser/bubbles.**

The system must meet the following specifications:

Size measurement specifications:

- Measurement angle: at least 3 angles: Back scatter angle ($\sim 170^\circ \pm 5$), right angle (90°), and forward scatter angle ($\sim 15^\circ \pm 5$).
- Must be able to measure a minimum diameter of at least 0.3 nm and a maximum diameter of at least 10 μm .
- Must have a minimum sample volume of at least 40 μL .
- Must have temperature control (minimum temperature of at least 0°C and a maximum temperature of at least 90°C). Temperature control must be in intervals of at least 1°C .
- Must have titration capabilities with automatic degassing of at least 3 titrants. ****NOTE: If metering system does not generate bubbles, degasser is not needed.**
- Must have selectable narrow band filter to allow signal improvement of fluorescent samples, in backscatter mode.
- Must have selectable polarization detection parallel to input laser polarization, in backscatter mode.
- Must have selectable polarization detection perpendicular to input laser polarization, in backscatter.
- Must include a low volume sizing Cell Kit (disposable or reusable) (minimum sample volume as low as 10 μL).

Zeta Potential measurement specifications:

- Must be able to measure a minimum diameter of at least 3.8 nm and a maximum diameter of at least 100 μm .
- Minimum sample volume must be as low as at least 200 μL .
- Must be able to measure average zeta potential and zeta potential distributions.
- Must have temperature control (minimum temperature of at least 0°C and a maximum temperature of at least 90°C). Temperature control must be in intervals of at least 1°C .
- Must have titration capabilities with automatic degassing of at least 3 titrants. ****NOTE: If metering system does not generate bubbles, degasser is not needed.**

Delivery, Installation and Training:

- Supplier must deliver Instrument to the Chemistry building loading dock.
- Supplier must provide onsite installation and verification of the Instrument.
- Supplier must provide onsite training consisting of Initial Operational Overview of the Instrument with the Users.

Warranty:

Supplier must provide at least a twelve-month warranty covering parts and labor.