Pursuant to New Mexico Procurement law, the UNM Purchasing Department will post your completed form on the UNM Sunshine Portal for 30 days prior to purchase of the goods/services.

I. GENERAL INFORMATION. PLEASE PROVIDE THE FOLLOWING:

<table>
<thead>
<tr>
<th>Date of Request</th>
<th>Requisition Number (If Applicable)</th>
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<tbody>
<tr>
<td>Request Submitted by:</td>
<td>Judy Cannon</td>
</tr>
<tr>
<td>Department</td>
<td>Email</td>
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Proposed Vendor: Agilent Seahorse

Amount

Buyer Team - See Commodity list at [http://www.unm.edu/~purch/commcodes.pdf](http://www.unm.edu/~purch/commcodes.pdf)

Provide a basic description of goods/services to be provided:
The Seahorse XFe24 Analyzer uses label-free technology to provide powerful metabolic data from live cells in real-time. It is widely used to assess cell energy metabolic changes in various types of cell, providing a window into the critical functions driving cell signaling, proliferation, activation, toxicity and biosynthesis.

Why is this purchase needed?
The Seahorse XFe24 Analyzer allows automated, accurate and precise measurement of Oxygen Consumption Rate (OCR, pmol/min) and Extracellular Acidification Rate (ECAR, mpH/min) of live cells in a 24-well plate format within one hour. These rates are key indicators of mitochondrial respiration and glycolysis and provide a systems-level view of cellular metabolic function in cultured cells and ex vivo samples. The XFe24 Analyzer can also detect responses of cells to substrates, inhibitors, and other compounds in real time via the 4-port injection system and automated mixing while maintaining physiologic temperature (37°C). This is the only machine that has this capability. We have a new COBRE grant that requires the use of this capability and the work on the grant cannot be done without the Seahorse.

II. BASIS FOR SOLE SOURCE PROCUREMENT. CHOOSE APPLICABLE BOX(ES) AND PROVIDE ADDITIONAL INFORMATION, AS REQUESTED:

☒ Proprietary item, technology or service only available from the proposed vendor. (Check box and describe proprietary component)

Seahorse is currently the only machine that can analyze live cell bioenergetics that requires low cell number and measures 96 samples on a single read/assay

☐ Compatibility requirement with existing item, technology or service. (Check box and describe compatibility requirement)

We have current Seahorse that will be traded in. The old equipment cannot be traded in for any other item except upgraded Seahorse.
| ☐ | Renewal of support/maintenance/subscription of software, technology or other intellectual property. (Check box and describe) |
| ☐ | Other Basis for Sole Source: Please describe below: |

**III. SUPPLEMENTAL DETAILS. PLEASE PROVIDE ADDITIONAL INFORMATION AS REQUESTED BELOW:**

Describe in detail the unique capabilities of the proposed vendor’s goods/service and/or personnel performing the work and why this constitutes the *only* source. Focus on what is unique about the goods/service and why no other vendor could meet your needs.
Describe the due diligence made to locate other possible sources including communications with other universities, communications with similar providers, web searches, yellow page searches, review of advertisements and trade publications, etc.

Through grant, we have investigated needs of investigators and found no other source of equipment that fits the needs of the proposed work.

List the other vendors who were contacted. Please describe the specs/qualifications/criteria that the other vendors were unable to satisfy.