

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

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| Scouting Number | 2025-021 |
| Item to be Scouted | Whole Body Plethysmography Equipment for Mice |
| Days to be scouted | 30 |
| Response Due By | 02/14/2025 |
| Description | A device used to measure the respiration of mice, including frequency, depth, and other analytical parameters for breathing. The device would require the mice to be individually housed within an acrylic jar which permits the breathing measurements. The device should also come with software (and computer if needed) to be able to interface with the device and collect the measurement data. |
| Notify Requester Immediately | |
| State item to be used in | Ohio |

Section 2: Technical Information

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| Type of supplier being sought | Manufacturer |
| Reason | 2nd Supplier |
| Describe the manufacturing processes (elaborate to provide as much detail as possible) | injection molding, electronic assembly. The housing chambers will have been structurally made with injection molding, then fitted with electronics and pressure sensors to allow for the measurement of breathing changes. Ideally the subject chambers and lids will be detachable to allow for cleaning of the device. |
| Provide dimensions / size / tolerances / performance specifications for the item | This is not super critical, however, the dimensions must at least fit an adult mouse (~50g). We are looking for a multi-chamber setup, either 4 or 6 modular. |
| List required materials needed to make the product, including materials of product components | The subject chambers should be colored acrylic, to allow for durability in movement, setup, and cleaning. Colored is critical to dampen some light that gets through, allowing for a darker environment for the mouse inside, further facilitating the acclimation process. The device itself should have plastic or metal housing, covering the electronics and sensors. Tubing should be soft plastic, to allow for flexibility in the setup process. |
| Are there applicable certification requirements? | No |
| Are there applicable regulations? | No |
| Are there any other standards, requirements, etc.? | No |
| NAICS 1 | 541714 Research and Development in Biotechnology (except Nanobiotechnology) |
| NAICS 2 | 541715 Research and Development in the Physical, Engineering, and Life Sciences |
| Additional Technical Comments | |

Section 4: Business Information

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| Estimated potential business volume | 1 unit, one-time purchase |
| Estimated target price / unit cost information (if unavailable explain) | Under \$60,000 for the entirety of the setup. |

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| When is it needed by? | Immediate/ASAP |
| Describe packaging requirements | Best available. Delivered undamaged. Additional specifics discussed in negotiation. Whole setup as one shipment (no large time delay between shipments/packages) |
| Where will this item be shipped? | Cincinnati, OH, USA |

Additional Comments

Is there other information you would like to include?