Minimum Essential Characteristics (MEC)

Maze Engineers Brand Name Rodent Sleep Deprivation Chambers

This requirement is for 12 durable, secured rodent sleep deprivation chambers meeting the following MECs:
Chamber:

- Shall be a transparent cylinder made of clear acrylic, resting on a durable base of a strong material, such as polycarbonate.
- Shall provide a minimum internal space of 38 cm in diameter and 30 cm in height.
- Shall provide total external dimensions of the unit of 42 cm in length, 42 cm in width, and 50 cm in height.
- Shall be large enough to house one adult rat.
- Shall require a secured lid to prevent animal escape

Motor:

- Shall be designed for quiet operation, producing less than 40dB of noise level.
- Shall offer a wide speed range, from zero to a minimum of 100 meters per minute.

Configuration Control:

- Shall provide a system allowing configuration of Total Time, Scheduled Start, Rotation Period, Periodic Breaks, and Rotation Mode for sleep disruption.
- Shall include functionality for automated starting and stopping.
- Shall include minimum of four rotation modes, including Clockwise, Counterclockwise, Alternate, and Random.
- Shall include periodic breaks set for any duration between zero and 240 seconds, with precision to one second.
- Shall require custom daylight control, enabling the user to define the period of illumination.

CONTRACT ADMINISTRATION
Points of Contact
Contracting Officer (KO/CO)
(Authorized official to bind the Government in Contracts)
Sharew Hailu
DHA Contracting Activity (DHACA)
808 Schreider Street
Fort Detrick, MD 21702
Tel: 301-619-9201
Email: sharew.hailu.civ@health.mil

Contract Specialist (CS)
Nathaniel Reus
DHA Contracting Activity (DHACA)

808 Schreider Street
Fort Detrick, MD 21702
Tel: 301-619-9209
Email: Nathaniel.a.reus.civ@health.mil

Contracting Officers Representative (COR)
TBD – AT TIME OF AWARD
Delivery Information – All packages much be labeled with the below information
Walter Reed Army Institute of Research
Atten: TBD – AT TIME OF AWARD
Robert Grant Avenue, Building 503
Silver Spring, MD 20910-7500

ADDITIONAL INFORMATION

CONTRACT MANAGEMENT
It is the Contractor's responsibility to contact the Contracting Officer immediately if there is even the appearance of any technical direction that is or may be outside the scope of the contract. The Government will not reimburse the Contractor for work the Contracting Officer did not authorize and for work outside the scope of the contract. The Contractor shall immediately notify the Contracting Officer for clarification when a question arises regarding the authority of any person to act for the Contracting Officer under the contract.

INTERPRETATION OR MODIFICATION
No verbal statement by any person, and no written statement by anyone other than the Contracting Officer, or his/her authorized representative acting within the scope of his/her authority, shall be interpreted as modifying or otherwise affecting the terms of this contract. All requests for interpretation or modification shall be made in writing to the Contracting Officer or Contract Specialist.