

# REGIONAL CENTRE FOR BIOTECHNOLOGY

**F. No. RCB/ATN/31/16-17/**

## **Tender Specifications for Rotarod**

Rota rod instrument will be used for motor coordination function assay in rodents model

The system must have following specifications:

1. Speed- 4 to 40 RPM or more
2. Resolution- 1RPM
3. Acceleration Increments: 0.1 RPM per second to 20.0 RPM per second
4. Same instrument can be used for mice as well as rat with separate drums for each species. Drums must be electronically controlled.
5. Lane width and falling height can be easily adjusted for mice and rat model.
6. Minimum four lanes. Sensor must not require any adjustment and use magnetic sensing switches.
7. Software for data collection
8. Data Recorded: Running duration, Rotarod speed at time of fall, distance travelled
9. Easy replacement of rotor
10. Suitable laptop(Core i7, Windows 10 and 8GB RAM,HDD 500GB) and Software for data collection should be quoted
11. Should have at least 5 satisfactory installations in National/International academic institutions or Universities. Bidder MUST PROVIDE user satisfaction letters from the Institute/University as mentioned
12. 3 years onsite warranty
13. Additional accessories for mice and rat should be included

**Technical Compliance sheet for rota rod for motor coordination**  
**(Bidder must submit this filled document along with *TECHNICAL BID* only)**  
**Discrepancies of information in the compliance sheet will lead to tender rejection**  
**Rota rod instrument will be used for motor coordination function in rodents.**

Sl.No	Item descriptions	Please mentioned if quoted: Yes/No	Please provide the technical detail of the items	If yes, please mention page number and location of item in the brochure or specification sheet from manufacturer
	<b>SPECIFICATION</b>			
	<b>Speed</b> (4 to 40 RPM) or more		<ul style="list-style-type: none"> <li>• Speed-- RPM to -- RPM</li> </ul>	
<b>A</b>	<b>Resolution</b> (1RPM)		<ul style="list-style-type: none"> <li>• Resolution: ---RPM to -- --RPM</li> </ul>	
<b>B</b>	<b>Acceleration Increment</b> (0.1 RPM to 20 RPM)		<ul style="list-style-type: none"> <li>• Acceleration Increment: - --RPM to --- -RPM</li> </ul>	
<b>C</b>	<b>Multipurpose</b> <ol style="list-style-type: none"> <li>1. Same instrument can be used for mice as well as rat with separate drums for each species.Lane width and falling height can be easily adjusted for mice and rat model</li> <li>2. Minimum 4 lanes</li> <li>3. Sensor must not require any adjustment and use magnetic sensing switches</li> <li>4. Additional accessories for mice and rat should be included.</li> </ol>		Yes/No Yes/No, lane no.— Yes/No Yes/No	

<b>D</b>	<b>Computer and software</b> 1. Suitable Laptop (core i7, windows 10, 8GB RAM, HDD 500GB) 2. Data Recorded: Running duration, Rotarod speed at time of fall, distance travelled			
<b>E</b>	<b>Installations</b> Should have at least <b>5</b> satisfactory installations in National/International academic institutions or Universities. <b>Bidder MUST PROVIDE user satisfaction letters</b> from the Institute/University as mentioned		List of user: .....  User certificate attached:	
<b>F</b>	<b>GUARANTEE/WARRANTEE PERIOD</b>  THE TENDERERS MUST QUOTE FOR 3 YEARS COMPREHENSIVE WARRANTY (INCLUDING ALL SPARES, ACCESSORIES AND LABOR) FROM THE DATE OF COMPLETION OF THE SATISFACTORY INSTALLATION. THE WARRANTY CHARGES SHALL NOT BE QUOTED SEPARATELY, OTHERWISE THE OFFER SHALL BE SUMMARITY REJECTED.			

*Note: (a) A detailed specification sheet / brochure along with detailed experimental conditions substantiating all claims in response to above specs must be attached from original manufacturer. Also the same must be demonstrated onsite at the use lab during the time of complete installation.*

*(b) All chemicals/Consumables required for functional installation of the system of each application must be supplied at the time of installation.*