

NON-INVASIVE BLOOD PRESSURE MONITORING SYSTEM

Sr. No	Technical Specifications	Qty.
1.	<p>Non-invasive blood pressure system</p> <ul style="list-style-type: none"> • High throughput non-invasive blood pressure monitoring system with 8 activated channels • The system should be able to measure the following parameters: systolic, diastolic, and mean arterial pressure, heart rate, tail blood flow, and blood volume. • Systolic and diastolic blood pressure should be actual measured values and not calculated values. • The system should be clinically validated. • Should be compatible for use in both mice and rats. • System should record 8 animals simultaneously. • Should be capable of blood pressure measurements on awake and anesthetized animals. • Utilizes volume pressure recording tail-cuff method • Automatically controlled to inflate and deflate the tail cuff by software or user intervention. • Should be factory calibrated without the need for future calibrations. • Able to measure all parameters at room temperature. • Automatically display blood pressure signals and numerical values. • Should be supplied with animal warming platform. • Animal holders and nose cones for rat and mice should be provided. • System should be provided with a temperature monitor and homothermic warming module with automatic control to self-regulate animal's temperature. • Include temperature sensors for both mouse and rat. • Safety alarm to respond quickly to changes in temperature. 	
	<ul style="list-style-type: none"> • Holder for small animal (approximately 25 to 50g) 	8
	<ul style="list-style-type: none"> • Holder for medium size animal (approximately 200-300g) 	8
2.	<p>Mouse cuff kit (approximately 10-70g)</p> <ul style="list-style-type: none"> • Mouse occlusion cuff kit-extra-small • Mouse occlusion cuff kit-small • Mouse small Volume pressure recording (VPR) cuff 	8 8 8
3.	<p>Rat cuff kit (approximately 70-500g)</p> <ul style="list-style-type: none"> • Rat occlusion cuff kit-medium • Rat occlusion cuff kit-large • Rat large VPR cuff 	8 8 8
4.	Include recording and analysing software.	
5.	<p>Vendor</p> <ul style="list-style-type: none"> • Vendor should have a good track record of selling systems with at least 10 installations across India especially in institutes like IITs, IISERs, IISc, CSIR labs. • Vendor should submit at least 3 performance certificates for similar systems • Vendor should have a local presence with good track record of after sales support in Chennai. • Installation to be done at IITM. 	
6.	<p>Warranty 5 years warranty and 2 years AMC included on all the above components</p>	