

Special Project 292-2-2-15-2507 – Lab Equipments

01. Bench-top Multi-Purpose, Refrigerated High-Speed Centrifuge

Animal Nutrition Division, VRI

Details	Specifications	Bidder's response		
		Yes	No	If no Bidder's Response
Centrifuge should o be placed on a lab bench, speed changeable and to be used for Laboratory R&D purposes				
Make	Please specify			
Model	Please specify			
Country of origin/design	Please specify			
Country of Manufacture	Please specify			
Warranty period	Two years comprehensive			
Rotors:	<ol style="list-style-type: none"> 1. Easy-Lock system 2. should be provided to hold 15ml, 50ml and 750ml tubes/ buckets 3. Aluminium lids for each size 			
Capacity:	<ol style="list-style-type: none"> 1. 12 x 15ml (conical bottom tube) or better 2. 20 x 50 ml (conical bottom tube) or better 3. 4 x 750 ml (flat bottom bottle) or better <p>(Fixed Angle rotor for 15 ml and Swing out rotor for 50ml and 750 ml)</p>			
Sleeve & Bukets	Four 750 ml buckets for Swing out rotor with cap , flat bottom bottle - Bio Safety Validated			
Adaptors	Adaptor should be provided with compatible of above requirements.			
Max.RPM /Fixed angle:	14,000 rpm or better			
Temperature Control Range	- 20°C to 40°C (Minus 20 to 40)			
Fast cooling facility	Cooling down to 4°C from room temperature within 5 minutes or better			

Touch Screen and display	At least 6" LCD Touch Screen and simultaneous display of all parameters			
Additional features	Time control functions of pulse for quick spin should be available Facility of automatic RPM/RCF conversion Easy observation of actual rotation through the viewing window on the lid			
Safety measures in operation	Imbalance cut-off facility should be available: Sound warning to keep the instrument protected from unsuitable operation			
Memory	Up to 100 program memory or better			
Warranty	Two years comprehensive			
Power requirement	230V±10% & 50Hz / 60Hz			
	Safety measures against power fluctuations & surges Online UPS 2kV			

