





DATA SHEET				
HLL BIOTECH LIMITED, CHENNAI				
		REVIVAL OF DPT VACCINE MANUFACTURING FACILITY, PII, COONOR		 HLL BIOTECH LIMITED (Subsidiary of HLL Lifecare Limited) (A Government of India Enterprise)
		Animal Weighing Balance		
		PROJECT No :	110831	
		EQUIPMENT ID :	Annexure 1	
		DOCUMENT No :	DS-AWB-01	
1	Process requirements			
1.1	It shall be used for weighing the mice, guinea pigs in animal experiment house.			
2	Technical Specifications			
2.1	Model	cGMP, ISO compliant		
2.2	Type	Animal Weighing Balance		
2.3	Capacity& Quantity	3kg-3 no's		
		5kg-1 no		
2.4	Readability	0.01 g		
2.5	Repeatability	0.01g		
2.6	Linearity	0.02 g or PIIC to confirm		
2.7	Response time (average)	≤ 1.5 s		
2.8	Unit of display	Grams, Kilograms, Pounds, Ounces etc..		
2.9	Measuring System	Mono Metal Tuning Fork Sensor		
2.10	Tare range	Full Weighing Range		
2.11	Accuracy	±1% PIIC to confirm		
2.12	Calibration	External, internal calibration is also required		
2.13	Pan Size	Vendor to specify		
2.14	Animal Weighing Bucket Size	Bottom dia 110 mm, Top dia 200 mm, Height 130 mm or PIIC to specify		
2.15	Operational Temperature	5 ⁰ C to 50 ⁰ C		
3	Material Of Construction			
3.1	MOC of Body	Vendor to specify		
3.2	MOC Pan	SS		
3.3	MOC of Animal Weighing Bucket	Plastic or Vendor to provide		
4	Specific requirments			
4.1	The Balance should be properly levelled. In-built spirit level for level adjustment should be provided.			
4.2	There should be provision to keep bucket on the pan.			
4.3	Internal memory to be provided to store atleast 100 sets of weighing data with date & time and calibration data.			
4.4	Animal weighing buckets for mice or guinea pig to be provided.			
4.5	RS 232 interface is required to transfer the data as well as to take the print out.			
4.6	Standard weights shall be provided for the calibration.			
4.7	It should have built-in Clock Function.			

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5	Other Requirements					
5.1	Provision to tare should be provided.					
5.2	Display should be digital LCD/LED with backlight.					
5.3	On power failure equipment should come in fail safe condition.					
5.4	Vendor should provide warranty letter for minimum 1 year, from the date of completion.					
5.5	Vendor shall provide more features apart from above.					
5.6	Cleanability of weighing balance by removing the pan should be possible					
5.7	Training for operation, cleaning and calibration should be provided to the users.					
6	Regulatory aspects					
6.1	NA					
7	Safety requirements					
7.1	Proper earthing of the equipment.					
7.2	Appropriate closure of all parts.					
8	Documents					
8.1	IOQ Protocol.					
8.2	Operation and maintenance manuals shall be provided along with IQ and OQ documents during installation at site.					
8.3	Calibration Certificate of critical instruments with respect to the traceable national reference standard instrument and their calibration procedure.					
8.4	All equipment warranty should be valid for one year from the date of completion.					
8.5	Vendor should provide list of standard spare parts with ordering information.					
8.6	Vendor should provide list of change parts(if applicable) with ordering information.					
9	Timelines					
9.1	Not applicable					
NOTE: Accurate size and technical specification need to be mentioned by the vendor.						
	AFI Approved for Enquiry			AFO Approved for Ordering		
01	16-09-2015	MGGP	PULM	<input type="checkbox"/>	<input type="checkbox"/>	
Rev	Date	Completed By	Checked By	AFI	AFO	Sheet 1/2

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TABLE NO: 1								
Equipment ID	Block Name	Quantity	Capacity	Range	Room Name	Room No	Room dimension in mm	Room height in mm
A2-AWB-01	Animal Experiment	1	3 Kg	0 gm to 3 Kg	Animal Observation-Mice	A2G009	5650×3145	3000
A2-AWB-02	Animal Experiment	1			Animal Holding-Guinea Pigs	A2G015	6250×2185	3000
A2-AWB-03	Animal Experiment	1			Animal Holding-Guinea Pigs	A2G015	6250×2185	3000
A2-AWB-04	Animal Experiment	1	3 Kg	0 g to 5 Kg	Animal Observation-Guinea Pig	A2G018	5000×10565	3000
AFI Approved for Enquiry					AFO Approved for Ordering			
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Rev	Date	Completed By	Checked by	AFI	AFO			