





DATA SHEET		
HLL BIOTECH LIMITED, CHENNAI		
	REVIVAL OF DPT VACCINE MANUFACTURING FACILITY, PII, COONOR	
	Analytical Weighing Balance	
	PROJECT No :	110831
	EQUIPMENT ID :	See Annexure -1
	DOCUMENT No :	DS-WGB-01
		
1	Process requirements	
1.1	It shall be used for weighing reagents used for the process.	
2	Technical Specifications	
2.1	Model	cGMP, ISO compliant
2.2	Type	Weighing Balance
2.4	Capacity and quantity	5mg-1 no
		5g-1 no
		100g-1 no
		200g-1 no
		1kg-7 no
		1g-2 no
		5kg-2 no
		2kg-2 no
2.5	Readability	0.001 g
2.6	Repeatability	0.01g
2.7	Linearity	0.02 g
2.8	Response time (average)	≤ 1.1 s
2.9	Unit of display	Grams, Kilograms
2.10	Measuring System	Mono Metal Tuning Fork Sensor
2.11	Tare range	Full Weighing Range
2.12	Accuracy	± 1%, PIIC to specify
2.13	Calibration	External, internal calibration is also required
2.14	Pan Size, (W X B) mm	Vendor to provide
2.15	Operational Temperature	5 ⁰ C to 50 ⁰ C
3	Material Of Construction	
3.1	MOC of Body	Polypropylene
3.2	MOC Pan	Stainless steel
3.2	Shield	Polycarbonate (Transparent)
4	Specific requirments	
4.1	The Balance should be properly levelled.In-build spirit level for level adjustment should be provided	
4.2	It should have built-in Clock Function	
4.3	RS 232 interface is required to transfer the data as well as to take the print out.	
5	Other Requirements	
5.1	Provision to tare should be provided.	

5.2	Display should be LCD/LED with backlight.					
5.3	On power failure equipment should come in fail safe condition.					
5.4	1 year warranty Letter form 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.					
5.8	The QuickLock draft shield dismantles in seconds without any tools and all parts are dishwasher proof.Surfaces are smooth and rounded to make cleaning easily.					
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 naational 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	05-11-2015	MGGP	PULM	<input type="checkbox"/>	<input type="checkbox"/>	
Rev	Date	Completed By	Checked By	AFI	AFO	Sheet 1/2

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Annexure: 1								
Equipment ID	Block Name	Quantity	Capacity	Range	Room Name	Room No	Room dimension in mm	Room height in mm
B1-WGB-01	Diphtheria	1	5 mg	0.01mg to 5 mg	IPQC	B1G057	2200×3310	3000
B2-WGB-01	Tetanus	1	5 mg	0.001 gm to 5 gm	IPQC	B2G026	3200×5335	3000
F1-WGB-02	Formulation	1	100g	1 g to 100 gm	Weighing +Dispensing	F1G039	4925×2800	3000
F1-WGB-04	Formulation	1	200g	1 g to 200 gm	Weighing +Dispensing	F1G039	4925×2800	3000
B1-WGB-02	Diphtheria	1	3 kg	30g to 3000gms	Toxoid Concentration	B1G060	4800X6510	3000
B1-WGB-06	Meat Media Preparation	1			Meat Store	B1G090	3055×1575	3000
A2-WGB-01	Animal Experiment	1			Store Room	A2G011	5000×3230	3000
A2-WGB-04	Animal Experiment	1			Inoculation	A2G016	6250×1910	3000
A2-WGB-05	Animal Experiment	1			Animal Observation-Guinea Pigs	A2G018	5000×10565	3000
A1-WGB-01	Animal Breeding	1			Animal Store	A1G014	6500×2850	2700
A1-WGB-02,03	Animal Breeding	2			Animal Breeding and Weaning	A1G016	7690×6650 11260×7450	2700
A1-WGB-04,05,06	Animal Breeding	3			Store Room	A1F012	3940×3150	2700
A1-WGB-07	Animal Breeding	1			Animal health Monitor Room	A1F014	2850×5215	2700
A1-WGB-08	Animal Breeding	1			Animal Breeding and Weaning	A1G016	7690×6650 11260×7450	2700
A1-WGB-11	Animal Breeding	1			Animal Store Room	A1F013	5530X5215	2700
B1-WGB-03	Diphtheria	1			Dispensing and Staging	B1G083	2450X5380	3000
B1-WGB-07	Meat Media Preparation	1			Meat Store	B1G090	3055×1575	3000
F1-WGB-01	Formulation	1	1 kg	10g to 1000g	Gel preparation	F1G038	5400×5850	3000
M1-WGB-01	Sterile media preparation and microbiology	1			Lab	M1G039	3020×5050	3000
A2-WGB-03	Animal Experiment	1			Store feed and bedding material	A2G012	1850×2200 3150×3750	3000
A1-WGB-09	Animal Breeding	1			Store Room	A1G015	3600X 2800	2700
A1-WGB-10	Animal Breeding	1			Store Room	A1F012	3940X3150	2700
B1-WGB-04	Pertussis	1			IPQC	B1G018	2200×3310	3000
B1-WGB-08	Meat Media Preparation	1			Meat Store	B1G090	3055×1575	3000
B1-WGB-05	Pertussis	1	5 kg	50 g to 5000 g	Dispensing and Staging	B1G041	2450×6140	3000
F1-WGB-05	Formulation	1			Weighing +Dispensing	F1G039	4925×2800	3000
F1-WGB-03	Formulation	1	2 kg	20 g to 2000 g	Weighing +Dispensing	A1G016	7690×6650 11260×7450	3000
A2-WGB-02	Animal Experiment	1			Store feed and bedding material	A2G012	1850×2200 3150×3750	3000

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