

Equipment Specification Data Sheet

Equipment Name: Weighing balance

Document No.: DS-WBG 02

Revision: 01

Project No.: 120310

Project Name: Integrated Vaccines Complex,
Chengalpattu

Block Code	Block Name	Identification No.	Capacity	Quantity
F2	Bacterial formulation	F2-WGB 01	0.5g to 35kg	1
F2	Bacterial formulation	F2-WGB 02	0.5g - 1500 g,	1
F2	Bacterial formulation	F2-WGB 03	1mg - 220 g,	1
F2	Bacterial formulation	F2-WGB 04	1g - 40kg	1
F1	Viral Formulation	F1-WGB 01	0.5g - 15kg	1
B4	Rabies Bulk	B4-WGB 01	0.1g-6000g	1
B4	Rabies Bulk	B4-WGB 02	0.5g - 15kg table top	1
G1	Animal house	G1-WGB 01	1mg-220 g	1
G1	Animal house	G1-WGB 02-04	0.1g-6000g	3
G1	Animal house	G1-WGB 05	50g-500 kg	1
Q1	Admin, QA and QC	Q1-WGB 01	0.1g-6000g	1
Q1	Admin, QA and QC	Q1-WGB 02	0.01mg-220 g,	1
W1	Warehouse	W1-WGB 01	50g - 600 Kg,	1
W1	Warehouse	W1-WGB 02	5g - 100 Kg,	1
W1	Warehouse	W1-WGB 03	5g - 100 Kg	1
W1	Warehouse	W1-WGB 04-05	1mg-220 g	2
W1	Warehouse	W1-WGB 06	0.1g-6000g	1
P1	Secondary Packaging	P1-WGB 01	0.2g-3000g	1
P1	Secondary Packaging	P1-WGB 02	0.5g-6000g	1
P1	Secondary Packaging	P1-WGB 03	0.2g-3000g	1
P1	Secondary Packaging	P1-WGB 04	0.5g-6000g	1
P1	Secondary Packaging	P1-WGB 05	20g-150kg	1

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NNE Pharmaplan India Limited

Name	Designation	Signature	Date
Prepared by			
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Checked by			
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Approved by			
Dr. Harshad Mali	Lead Engineer - Process	<i>HML</i>	29/02/16

HLL Biotech Limited

Name	Designation	Signature	Date
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User department: Viral Formulation <i>P. SATHISH</i>	MANAGER - (VV)C	<i>P. SATHISH</i>	01.03.2016
User department: Rabies Bulk <i>P. SATHISH KUMAR</i>	Dy. MANAGER (VV)F	<i>P. SATHISH</i>	01.03.2016
User department: Animal Health <i>K. YASUJITH</i>	Deputy Manager	<i>K. YASUJITH</i>	02.03.2016
User department: Quality Control <i>SANDEEP KUMAR R</i>	Manager	<i>S. K</i>	01.03.2016
User department: Bacterial Formulation <i>K. RADHAKRISHNAN</i>	Deputy manager.	<i>K. RADHAKRISHNAN</i>	01.03.2016
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Project / Engineering department <i>V. G. Suresh</i>	D.M. PROJECT	<i>V. G. Suresh</i>	01.03.2016
Approved by			
Head of the department: Bacterial Formulation <i>S. NARASIMHA REDDY</i>	Sr. Manager	<i>S. NARASIMHA REDDY</i>	02.03.2016
User department: Viral Formulation <i>Dr. Juliet Selvi Veerabhadran</i>	Project head (VV)	<i>Dr. Juliet Selvi Veerabhadran</i>	02.03.2016
Head of the department: Rabies Bulk <i>Dr. Juliet Selvi Veerabhadran</i>	Project head (VV)	<i>Dr. Juliet Selvi Veerabhadran</i>	02.03.2016
Head of the department: Animal Health <i>Dr. R. A. Lakshmi</i>	M. Manager	<i>Dr. R. A. Lakshmi</i>	02.03.16

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Head of the department Quality Control	Manager	<i>[Signature]</i>	02/03/16
DS R. L. Kumar	DVP	<i>[Signature]</i>	02/03/16
Head of the department Ware house	Deputy	<i>[Signature]</i>	04.03.16
Authorized by			
Project Authority Raman K. R.	C.E.O	<i>[Signature]</i>	7.3.16

Equipment Specification Data Sheet				
HLL Biotech Limited, Chennai				
HLL Biotech Limited Integrated Vaccines Complex, Chengalpattu		INTEGRATED VACCINES COMPLEX, CHENGALPATTU		
		Equipment Name	Weighing balance	
		Document No.	DS-WGB 02	
		Revision No.	01	
1	Process requirements			
1.1	Weighing balances will be used for determining weight or mass of salts and other chemicals, which shall be used in the process and also for specific areas like animal house use weighing balance for weighing laboratory animals for materials like animal feed,bedding material etc.			
2	Equipment ID			
	Equipment ID	Capacity	Readability	Type
2.1	F2-WGB 01	0.5g to 35kg	0.5g	Benchtop
2.2	F2-WGB 02	0.5g - 1500 g,	0.5g	Benchtop
2.3	F2-WGB 03	1mg - 220 g,	1mg	(Precision balances)
2.4	F2-WGB 04	1g - 40kg	1g	Benchtop
2.5	F1-WGB 01	0.5g - 15kg	0.5g	Bench Type (Top load)
2.6	B4-WGB 01	0.1g-6000g	0.1g	Bench Type (Top load)
2.7	B4-WGB 02	0.5g - 15kg table top	0.5g	Benchtop
2.8	G1-WGB 01	1mg-220 g	1mg	Benchtop
2.9	G1-WGB 02-04	0.1g-6000g	0.1g	Benchtop
2.10	G1-WGB 05	50g-500 kg	50g	Floor mounted SS platform
2.11	Q1-WGB 01	0.1g-6000g	0.1g	Benchtop
2.12	Q1-WGB 02	0.01mg-220 g,	0.01mg	Bench Top
2.13	W1-WGB 01	50g - 600 Kg,	50g	Floor mounted SS platform
2.14	W1-WGB 02	5g - 100 Kg,	5g	Floor mounted SS platform
2.15	W1-WGB 03	5g - 100 Kg	5g	Floor mounted SS platform
2.16	W1-WGB 04-05	1mg-220 g	1mg	Benchtop
2.17	W1-WGB 06	0.1g-6000g	0.1g	(Precision balances)
2.18	P1-WGB 01	0.2g-3000g	0.2g	Bench Type (Top load)
2.19	P1-WGB 02	0.5g-6000g	0.5g	Bench Type (Top load)
2.20	P1-WGB 03	0.2g-3000g	0.2g	Bench Type (Top load)
2.21	P1-WGB 04	0.5g-6000g	0.5g	Bench Type (Top load)
2.22	P1-WGB 05	20g-150kg	20g	Floor mounted SS platform
3	Technical Specification			
3.1	Model	cGLP model		
3.2	Unit of display	Milligram, Grams , Kilograms		
3.3	Linearity	Vendor to specify		
3.4	Measuring System	Vendor to specify		
3.5	Tare	Full Weighing Range		

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3.6	Calibration	External, internal calibration is required
3.7	Display	Backlight LCD display
3.8	Operational Temperature	-5 °C to 50 °C (system shall be suitable)
3.9	Door	Opening from 2 sides and top sides
3.10	Power Requirement	To be compatible to standard Indian power supply socket
4	Material of Construction	
4.1	MOC of Door	Acrylic (for analytical balances) SS304 (for platform scales)
4.2	MOC of Pan	SS 304
4.3	Ingress protection(IP)	67/68
4.4	Load cell MOC	17.4 pH grade
5	Specific Equipment requirement	
5.1	The Balance should be properly levelled. In-built spirit level for level adjustment should be provided	
5.2	Should be easily cleanable and compatible with all standard disinfectants	
5.3	Standard weights should be provided for the calibration (E2 (Two unit -21 pieces each) and M1 (One unit ranging; 1kg-2nos, 2kg-2nos, 5kg- 2nos, 10kg-2nos, 20kg-3nos, 500gm - 2nos) with certification and traceability.	
5.4	Auto calibration facility should be provided for laboratory balances	
5.5	Balance should be capable of counting tarring, totalizing, percentage weighing, toggling between gross/net value (for analytical and precision balances)	
6	Other requirement	
6.1	Display should be Back light LCD/Graphic display.	
6.2	Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible	
6.3	Printer provision of RS 232 port with weighing balance shall be considered for printing time and weight data for the sample (For analytical balance)	
6.4	SS ramp should be provided to move the weighing balances for weighing more than 100kg with low profile platform	
6.5	Training/ demo for the users on operations and cleaning to be provided.	
7	Regulatory aspects	
7.1	CE certification	
8	Safety requirements	
	Following facilities must be provided to protect personnel and equipment:	
8.1	Appropriate closer of all parts shall be considered	

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8.2	Proper earthing is necessary	
9	Documents	
	Following documents, but not limited to these, are expected from the vendor as part of the supply package in hard copy as well as editable electronic file.	
9.1	IOQ Protocol to be provided	
9.2	Comprehensive one year warranty letter from the date of supply.	
9.3	Operation and maintenance manuals shall be provided along with IOQ Documents during installation at site.	
9.4	MOC Certificates to be provided by Vendor.	
9.5	Calibration certificate of critical instrumnets with respect to the traceable national reference standard instrument and their calibration procedure to be provided.	
10	Timelines	
10.1	Not Applicable	
11	Preferred list of Makes	
11.1	Shimadzu, Mettler Toledo, Sartorius.	
	NOTE: Accurate size and technical specification need to be mentioned by the vendor	

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	Revision No.	01			
Table-1: Equipment location					
Equipment ID	Block Name	Room Name	Room No	Room dimension in mm	Room height in mm
F2-WGB 01	Bacterial formulation	Blending	F2G028	6090 X 8940	4000
F2-WGB 02	Bacterial formulation	Blending	F2G028	6090 X 8940	4000
F2-WGB 03	Bacterial formulation	Buffer & solution Preparation	F2G030	5127 X 6820	3500
F2-WGB 04	Bacterial formulation	Buffer & solution Preparation	F2G030	5127 X 6820	3500
F1-WGB 01	Viral Formulation	Blending and formulation	F1G080	5420 X 6210	4000
B4-WGB 01	Rabies Bulk	Media Preparation	B4G027	6800 X 3940	2700
B4-WGB 02	Rabies Bulk	Buffer Preparation	B4G028	6800 X 3845	2700
G1-WGB 01	Animal house	Animal Observation on receipt	G1G011	4000 X 5100	2700
G1-WGB 02-04	Animal house	Lab area - Testing	G1G055	4700 X 7300	2700
G1-WGB 05	Animal house	Clean Corridor - Breeding	G1G015	29700 X 2000	2700
Q1-WGB 01	Admin, QA and QC	Media preparation & sterilisation	Q1S051	4800 X 5100	2700
Q1-WGB 02	Admin, QA and QC	Media preparation & sterilisation	Q1S051	5200 X 3550	2400
W1-WGB 01	Warehouse	Dispensing Room - 1	W1G033	5200 X 3550	2400
W1-WGB 02	Warehouse	Dispensing Room - 1	W1G033	5488 X 3638	3000
W1-WGB 03	Warehouse	Dispensing Room - 2	W1G034	5488 X 3638	3000
W1-WGB 04-05	Warehouse	Dispatch & Corridor	W1G034	5452 X 3250	3000
W1-WGB 06	Warehouse	Dispensing Room - 2	W1G003	4255 X 5830	NA

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	Revision No.	01			
P1-WGB 01	Secondary Packaging	Secondary Packaging Hall - 4	P1G008	29280 X 8000	3000
P1-WGB 02	Secondary Packaging	Secondary Packaging Hall - 3	P1G009	29280 X 7940	3000
P1-WGB 03	Secondary Packaging	Secondary Packaging Hall - 2	P1G010	29280 X 7940	3000
P1-WGB 04	Secondary Packaging	Secondary Packaging Hall - 1	P1G011	29280 X 7940	3000
P1-WGB 05	Secondary Packaging	Material Staging for Packaging-1	P1G005	5000 X 4080	3000
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
18-02-2016	Mr. Sandeep Kumar	00	-	New document	
24-02-2016	Mr. Sandeep Kumar	01	-	Updated as per comments received from HBL on 22-02-2016	
Table-3: Annexure					
Not applicable					