



Equipment Specification Data Sheet

Equipment Name: Weighing balance

Document No.: DS-WBG 01

Revision: 02

Project No.: 120310

W1	Wharehouse	USP	50 Kg-500Kg	1
W1	Wharehouse	USP	10 kg - 150 Kg	2
W1	Wharehouse	USP	100 g - 10 Kg	1
W1	Wharehouse	USP	10 mg-220 g	2
P1	Secondary Packaging	USP	5 g -3 Kg	2
P1	Secondary Packaging	USP	180 g-6Kg	2
P1	Secondary Packaging	USP	5 kg -150 Kg	1

NNE Pharmaplan India Limited

Name	Designation	Signature	Date
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Project Name: Integrated Vaccines Complex,  
Chengalpattu

ILLIBIOTECH LIMITED

Name	Designation	Signature	Date
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Project Name: Integrated Vaccines Complex,  
Chengalpattu

Authorized by

Raman, K.  
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CEO

13/7/2015

## Equipment Specification Data Sheet

**HLL Biotech Limited, Chennai**

Integrated Vaccines Complex,  
Chengalpattu

<b>INTEGRATED VACCINES COMPLEX, CHENGALPATTU</b>	
Equipment Name	Weighing balance
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### 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

	Area	Capacity	Quantity	Readability	MOC	Pan Size
2.1	Bacterial Formulation	500g -35 Kg	1	0.5 g	Complete SS	400 x300
2.2	Bacterial Formulation	5 g -3 Kg	1	0.1 g	Complete SS	180 x180
2.3	Bacterial Formulation	2g-220 g	1	0.1 mg	Vendor suggestion	As per Std
2.4	Bacterial Formulation (Media preparation area)	100 g-40 kg	1	2 g	Complete SS	400 x300
2.5	Viral Formulation	10 mg-220 g	2	0.01 mg	Vendor suggestion	As per Std
2.6	Bulk area- Rabies	10 g -5 Kg	1	0.1 g	Complete SS	350 x 240
2.7	Bulk area- Rabies	500 g-5 Kg	1	1 g	Complete SS	400 x 300
2.8	Animal House	10 mg-220 g	1	0.01 mg	Vendor suggestion	As per Std
2.9	Animal House (with animal mode)	10 g -5 Kg	3	0.1 g	MS/Ss bench	350 x 240
2.10	Animal House	1 kg - 300 Kg	1	20 g	SS/MS	800 x 600
2.11	QC	100 g - 6 kg	1	0.1 g	Complete SS	350 x 240
2.12	QC	10 mg - 220g	1	0.01 mg	Vendor suggestion	As per Std
2.13	Wharehouse	50 Kg-500Kg	1	50 g	SS/MS- Floor mounted	800 x 800
2.14	Wharehouse	10 kg - 150 Kg	2	10 g	SS/MS- Floor mounted	650 x 500
2.15	Wharehouse	100 g - 10 Kg	1	0.1 g	Complete SS	350 x 240
2.16	Wharehouse	10 mg-220 g	2	0.01 mg	Vendor suggestion	As per Std
2.17	Secondary Packaging	5 g -3 Kg	2	0.1 g	Complete SS	320 x 240
2.18	Secondary Packaging	180 g-6Kg	2	0.2 g	Complete SS	320 x 240
2.19	Secondary Packaging	5 kg -150 Kg	1	5 g	SS/MS Floor mounted	650 x 500

**Equipment Specification Data Sheet****HLL Biotech Limited, Chennai**

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**INTEGRATED VACCINES COMPLEX,  
CHENGALPATTU****Equipment Name** Weighing balance**Document No.** DS-WGB 01**Revision No.** 02**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
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)
4.2	MOC of Pan	SS 304

**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 (E1 - 21 pieces weigh set - 1 no) with certification and traceability.
5.4	Auto calibration facility should be provided.
5.5	Balance should be capable of counting tarring, totalizing, percentage weighing, toggling between gross/net value.

**6 Other requirement**

6.1	Display should be Back light LCD/Graphic display.
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HLL Biotech Limited, Chennai		
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<b>IIBL</b> HLL BIOTECH LIMITED CHENGALPATTU		
6.2	On power failure equipment should come in fail safe condition, Over load, low battery indicator and auto power off should be provided.	
6.3	Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible	
6.4	Power failure and recovery should be provided, equipment settings should not get disturbed due to power failure.	
6.5	Printer provision of RS 232 port with weighing balance shall be considered for printing time and weight data for the sample.	
6.6	Memory function: to keep the last 20 weights in memory.	
6.7	SS ramp should be provided to move the weighing balances.	
6.8	Training/ demo for the users on operations and cleaning to be provided.	
<b>7</b>	<b>Regulatory aspects</b>	
7.1	CE certification	
<b>8</b>	<b>Safety requirements</b>	
	<b>Following facilities must be provided to protect personnel and equipment:</b>	
8.1	Appropriate closer of all parts shall be considered	
8.2	Proper earthing is necessary	
<b>9</b>	<b>Documents</b>	
	<b>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.</b>	
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 instruments with respect to the traceable national reference standard instrument and their calibration procedure to be provided.	
<b>10</b>	<b>Timelines</b>	
10.1	Not Applicable	
<b>11</b>	<b>Preferred list of Makes</b>	
11.1	Shimadzu, Mettler Toledo, Sartorius.	
	<b>NOTE: Accurate size and technical specification need to be mentioned by the vendor</b>	

## Equipment Specification Data Sheet

HLL Biotech Limited, Chennai

nne pharmaplan <sup>®</sup>	<b>INTEGRATED VACCINES COMPLEX, CHENGALPATTU</b>		 <small>HLL BIOTECH LIMITED Subsidiary of HLL Lifecare Limited A Government of India Enterprise</small>
	Equipment Name	Weighing balance	
	Document No.	DS-WGB 01	
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**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-03,04	Bacterial formulation	Buffer & solution Preparation	F2G030	5127 X 6820	3500
F1-WGB-01	Viral Formulation	Blending and Formulation Room	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	Animal house	Lab area - Testing	G1G055	4700 X 7300	2700
G1-WGB-03	Animal house	Clean Corridor - Breeding	G1G015	29700 X 2000	2700
G1-WGB-04	Animal house	Inoculation Area - Testing	G1G057	4800 X 5100	2700
G1-WGB-05	Animal house	Utility Corridor	G1G010	22000 X 2000	2700
Q1-WGB-01,02	Admin, QA and QC	Media preparation & sterilisation	Q1S051	5200 X 3550	2400
W1-WBG-01,02,03	Warehouse	Dispensing Room - 1	W1G033	5488 X 3638	3000
W1-WBG-04, 05	Warehouse	Dispensing Room - 2	W1G034	5452 X 3250	3000

**Equipment Specification Data Sheet**

**HLL Biotech Limited, Chennai**

HLL Biotech Limited HLL Biotech Limited A Government of India Enterprise	<b>INTEGRATED VACCINES COMPLEX, CHENGALPATTU</b>				
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	Document No.	DS-WGB 01			
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W1-WBG-06	Warehouse	Dispatch & Corridor	W1G003	4255 X 5830	NA
P1-WBG-01	Secondary Packaging	Secondary Packaging Hall -4	P1G008	29280 X 8000	3000
P1-WBG-02	Secondary Packaging	Secondary Packaging Hall -3	P1G009	29280 X 7940	3000
P1-WBG-03	Secondary Packaging	Secondary Packaging Hall -2	P1G010	29280 X 7940	3000
P1-WBG-04	Secondary Packaging	Secondary Packaging Hall -1	P1G011	29280 X 7940	3000
P1-WBG-05	Secondary Packaging	Material Staging for Packaging-1	P1G005	5000 X 4080	3000

**Table-2: Change Log**

Date	Name	Revision	Section	Change/Comment
11-07-2014	Niharika Ruhela	00	-	New document
07-01-2015	Yogesha M J	01	All	Updated as per comments given by HBL team during meeting dated 07-01-2015 at HBL office
04-05-2015	Niharika Ruhela	02	All	Updated as per comments given by HBL team dated 27-02-2015.

**Table-3: Annexure**

Not applicable