

DATA SHEET

HLL LIFECARE LIMITED, CHENNAI

nne pharmaplan™

REVIVAL OF BCG VACCINE LABORATORY, GUINDY, CHENNAI



Analytical Weighing Balance

PROJECT No: 110729

EQUIPMENT ID : BF-AWB 01-02

DOCUMENT No : DS/BF-AWB 01-02

1 Process requirements

1.1 It is being used for dispensing media and buffer materials

2 Technical Specification

2.1	Model	cGLP, ISO compliant
2.2	Type	Analytical Weighing Balance
2.3	Number of Balances	2 nos.
2.4	Capacity	BF017 - Weighing: 0.001g to 250 g or near to the standard BF037- Harvest & Purification: 0.001g to 250 g or near to the standard
2.5	Readability	0.0001 g
2.6	Repeatability	0.0001 g
2.7	Linearity	± 0.0002 g
2.8	Unit of display	mg, gms
2.9	Measuring System	Mono Metal Tuning Fork Sensor
2.10	Tare	Full Weighing Range
2.11	Calibration	External, internal calibration is also required
2.12	Pan Size	Vendor to provide
2.13	Display	Backlight LCD display
2.14	Operational Temperature	(-5°C) to 50°C (system shall be suitable)
2.15	Door	Opening from 2 sides and top sides
3 Material Of Construction		
3.1	MOC of Door	Acrylic
3.2	MOC Pan	SS 304



4 Specific requirement

- 4.1 The Balance should be properly levelled. In-built spirit level for level adjustment should be provided
- 4.2 Should be easily cleanable
- 4.3 Standard weights should be provided for the calibration (E1 - 21 pieces weigh set - 1 no) with certification and traceability. One no for bulk [FG & BF] and one no for warehouse.
- 4.4 Auto calibration facility.

Approved makes:

- 4.5
- a) Sartorius
 - b) Schimadzu
 - c) Mettler-Toledo
 - d) Essae

5 Other Requirement

- 5.1 Provision to tare should be provided.
- 5.2 Display should be digital 8 segment.
- 5.3 On power failure equipment should come in fail safe condition.
- 5.4 Vendor can provide more features apart from above.
- 5.5 Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible
- 5.6 Training for operation, cleaning and calibration should be provided to the users.

6 Regulatory guidelines / standards

6.1 NOT APPLICABLE

7 Safety requirement

7.1 NOT APPLICABLE

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Analytical Weighing Balance

PROJECT No:	110729
EQUIPMENT ID :	BF-AWB 01-02
DOCUMENT No :	DS/BF-AWB 01-02

8	Documents					
8.1	IOQ Protocol to be provided					
8.2	Caliberation Certificate to be provided by Vendor					
8.3	Comprehensive 1 year warranty letter from the date of completion.					
8.4	NPL Calibration certificates and calibration procedures for weights. Validity of calibration certificate should be min 1 yr. from the date of completion.					
8.5	Operation, calibration and maintenance manuals to be provided.					
8.6	MOC Certificates to be provided by Vendor					
9	Timelines					
9.1	NOT APPLICABLE					
	AFI Approved for Enquiry			AFO Approved for Ordering		
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Analytical Weighing Balance

PROJECT No: 110729

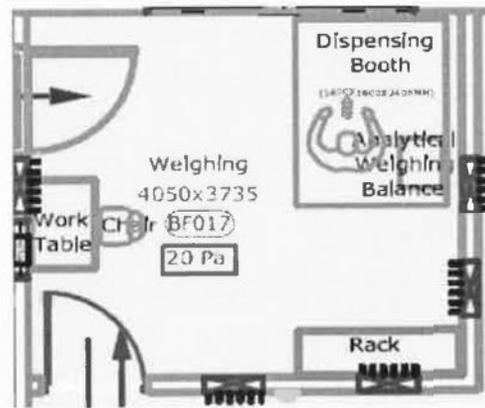
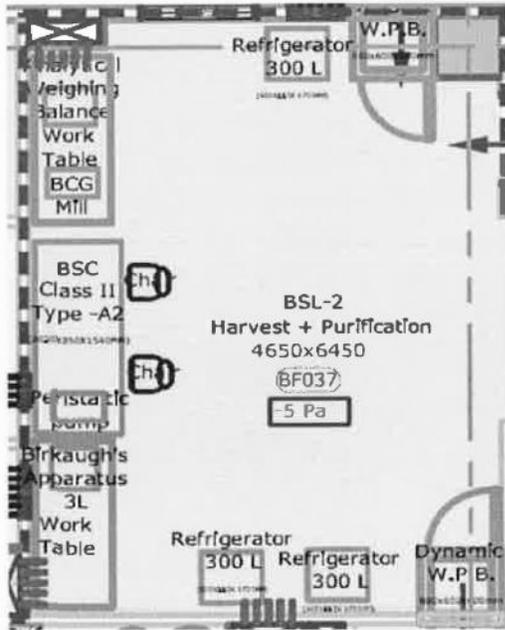
EQUIPMENT ID : BF-AWB 01-02

DOCUMENT No : DS/BF-AWB 01-02



ROOM LOCATION:	BF-AWB 01
1	GROUND FLOOR: BF037
2	ROOM DIMENSION: 4650mm X 6450mm
3	FALSE CEILING: 3000mm
4	ROOM PRESSURE: -5Pa

ROOM LOCATION:	BF-AWB 02
1	GROUND FLOOR: BF017
2	ROOM DIMENSION: 4050mm X 3735mm
3	FALSE CEILING: 3000mm
4	ROOM PRESSURE: 20Pa



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REVIVAL OF BCG VACCINE LABORATORY, GUINDY, CHENNAI

Analytical Weighing Balance

PROJECT No: 110729

EQUIPMENT ID : FG-AWB 03

DOCUMENT No : DS/FG-AWB 03

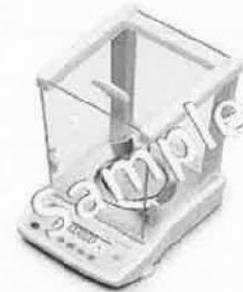


1 Process requirements

1.1 It is being used for dispensing media and buffer materials. Placed in FG021 - IPQC

2 Technical Specification

2.1	Model	cGLP, ISO compliant
2.2	Type	Analytical Weighing Balance
2.3	Number of Balances	1 no.
2.4	Capacity	0.0001g to 250 g or near to the standard
2.5	Readability	0.0001 g
2.6	Repeatibility	0.0001 g
2.7	Linearity	± 0.0002 g
2.8	Unit of display	mg, gms
2.9	Measuring System	Mono Metal Tuning Fork Sensor
2.10	Tare	Full Weighing Range
2.11	Calibration	External, internal calibration is also required
2.12	Pan Size	Vendor to provide
2.13	Display	Backlight LCD display
2.14	Operational Temperature	(-5°C) to 50°C (system shall be suitable)
2.15	Door	Opening from 2 sides and top sides



3 Material Of Construction

3.1	MOC of Door	Acrylic
3.2	MOC Pan	SS 304

4 Specific requirement

- 4.1 The Balance should be properly levelled. In-built spirit level for level adjustment should be provided
- 4.2 Should be easily cleanable
- 4.3 Standard weights should be provided for the calibration (E1 - 21 pieces weigh set - 1 no) with certification and traceability. One no for bulk [FG & BF] and one no for warehouse
- 4.4 Auto calibration facility.

Approved makes:

- a) Sartorius
- b) Shimadzu
- c) Mettler-Toledo
- d) Essae

5 Other Requirement

- 5.1 Provision to tare should be provided.
- 5.2 Display should be digital 8 segment
- 5.3 On power failure equipment should come in fail safe condition.
- 5.4 Vendor can provide more features apart from above.
- 5.5 Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible
- 5.6 Training for operation, cleaning and calibration should be provided to the users.

6 Regulatory guidelines / standards

6.1 NOT APPLICABLE

7 Safety requirement

7.1 NOT APPLICABLE

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Analytical Weighing Balance

PROJECT No: 110729

EQUIPMENT ID : FG-AWB 03

DOCUMENT No : DS/FG-AWB 03



8	Documents					
8.1	IOQ Protocol to be provided.					
8.2	Calibration Certificate to be provided by Vendor					
8.3	Comprehensive 1 year warranty letter from the date of completion.					
8.4	NPL Calibration certificates and calibration procedures for weights. Validity of calibration certificate should be min 1 yr. from the date of supply					
8.5	Operation, calibration and maintenance manuals to be provided.					
8.6	MOC Certificates to be provided by Vendor					
9	Timelines					
9.1	NOT APPLICABLE					
	AFI Approved for Enquiry					
	AFO Approved for Ordering					
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REVIVAL OF BCG VACCINE LABORATORY, GUINDY, CHENNAI

Analytical Weighing Balance

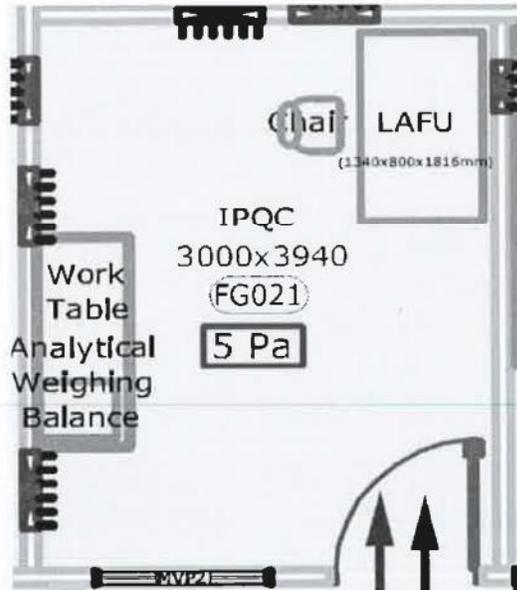
PROJECT No: 110729

EQUIPMENT ID : FG-AWB 03

DOCUMENT No : DS/FG-AWB 03



ROOM LOCATION:	FG-AWB 03
1	GROUND FLOOR: FG021
2	ROOM DIMENSION: 3000 mm X 3940 mm
3	FALSE CEILING: 3000 mm
4	ROOM PRESSURE: 5 Pa



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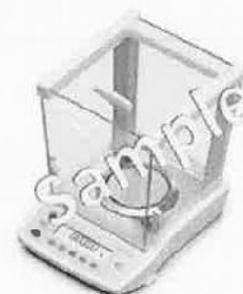
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Analytical Weighing Balance

PROJECT No: 110729

EQUIPMENT ID : WG-AWB 04

DOCUMENT No : DS/WG-AWB 04



1 Process requirements	
1.1	It is being used for dispensing samples.
2 Technical Specification	
2.1	Model cGLP, ISO compliant
2.2	Type Analytical Weighing Balance
2.3	Number of Balances 1 no.
2.4	Capacity 0.001g to 250 g or near to the standard
2.5	Readability 0.0001 g
2.6	Repeatibility 0.0001 g
2.7	Non Linearity ± 0.0002 g
2.8	Unit of display mg, gms
2.9	Measuring System Mono Metal Tuning Fork Sensor
2.10	Tare Full Weighing Range
2.11	Calibration External, internal calibration is also required
2.12	Pan Size <i>Vendor to provide</i>
2.13	Display <i>Backlight LCD display</i>
2.14	Operational Temperature (-5°C) to 50°C (system shall be suitable)
2.15	Door Opening from 2 sides and top sides
3 Material Of Construction	
3.1	MOC of Door Acrylic
3.2	MOC Pan SS 304
4 Specific requirement	
4.1	The Balance should be properly levelled. In-built spirit level for level adjustment should be provided
4.2	Should be easily cleanable
4.3	Standard weights should be provided for the calibration (E1 - 21 pieces weigh set - 1 no) with certification traceability. One no for bulk [FG & BF] and one no for warehouse
4.4	Auto calibration facility.
4.5	Approved makes: a) Sartorius b) Schimadzu c) Mettler-Toledo d) Essae
5 Other Requirement	
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Analytical Weighing Balance

PROJECT No:	110729
EQUIPMENT ID :	WG-AWB 04
DOCUMENT No :	DS/WG-AWB 04



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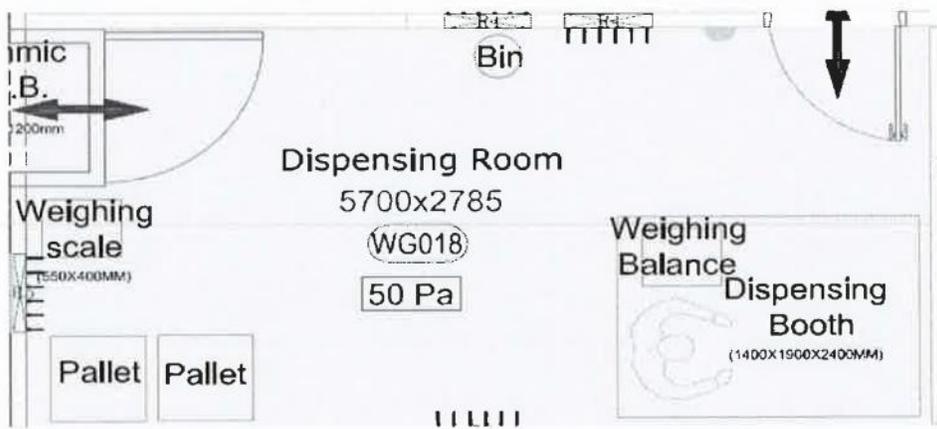
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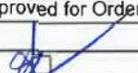
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	Analytical Weighing Balance		
	PROJECT No:	110729	
	EQUIPMENT ID :	WG-AWB 04	
	DOCUMENT No :	DS/WG-AWB 04	

ROOM LOCATION:	WG-AWB 04
1	WREGOUSE GROUND FLOOR: WG018
2	ROOM DIMENSION: 5700 mm x 2785 mm
3	FALSE CEILING: 2700 mm
4	Pressure: 50 Pa



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