

# DATA SHEET

HLL LIFECARE LIMITED, CHENNAI

nne pharmaplan®

REVIVAL OF BCG VACCINE  
LABORATORY, GUINDY, CHENNAI

Peristaltic Pump

PROJECT No:

110729

EQUIPMENT ID:

BF-PSP 01

DOCUMENT No :

DS/BF-PSP 01



## 1 Process requirements

- 1.1 It is used to transfer the samples from one bottle to other.  
Room details: **BSL-2 Harvest + Purification, Room no. BF037**

## 2 Technical Specification

2.1	Model	cGMP model
2.2	Type	Portable Type and clean room suitability; peristaltic metering pump
2.3	Min. flow rate	0.001 LPM
2.4	Requirement	0.5L in 10-15min ≈ 0.05LPM- 0.033LPM
2.5	Tube sizes (Internal/External)	3/7 mm or 10/12 mm
2.6	Operating temperature	0-40 °C
2.7	Relative humidity	0-90 %
2.8	Displacement	Positive
2.9	Rotor Speed	1-500 rpm
2.10	Pump head	Single
2.11	Operation	Continuous
2.12	Design Temp	40/80°C
2.13	Pressure Range	20-40 psi
2.14	IP rating	IP 65
2.15	Motor	Brushless with Digital variable speed control, Brushless, maintenance-free
2.16	Motor direction	Clockwise and counter clock wise; both
2.17	Shipping Weight	Vendor to specify
2.18	Electricity Consumption	Power (KW): <b>Vendor to specify</b>
2.19	Dimension (L x W x H) in mm	Vendor to specify



## 3 Material Of Construction

3.1	Main body	Stainless steel
3.2	Rollers, Pump case, Shaft, Bracket	Stainless steel
3.3	Tube	Silicon or vendor to specify (FDA approved)
3.4	Support base	PU/Castor

## 4 Specific Requirements

- 4.1 Peristaltic pump for continuous operation and pumping of process fluid along with metering the volume of fluid
- 4.2 Microprocessor controlled with soft-touch keypad and with easy-to-read LCD Screen along with LED light display to show the mode of the pump.
- 4.3 Digital variable speed based pump drives; Stepper motor drive for uniform rpm Digital Variable Speed
- 4.4 Digital speed setting, reversible flow, programmable pump
- 4.5 Pump speed should not vary with power fluctuations (Near pulseless flow)

### Preffered makes:

- 4.6 a) Master flex  
b) Wheaton  
c) Watson marlow  
d) Thermo Scientific

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## 5 Other Requirements

5.1 The equipment must be easy to clean

5.2 All bolts, nuts on the exterior part of equipment should be with cap head or cap nut.

5.3 There should be no crevices, so as to avoid dust accumulation

## 6 Regulatory guidelines / standards

6.1 21 CFR part 11:

6.1.1 NA

6.2 CE certification

## 7 Safety

7.1 In the event of equipment malfunction or loss of utilities, the unit must contain all necessary protection devices to ensure that the equipment and the product remain in a safe condition.

7.2 Noise level below 75 decible.

## 8 Documents

8.1 Operation and maintenance manual should be provided.

8.2 Vendor should be provided warranty certificate for 1 years after completion.

8.3 Calibration certificate should be provided.

8.4 List of make with certificate should be provided.

**NOTE:** Accurate size and technical specification need to be mentioned by the vendor.

AFI Approved for Enquiry

AFO Approved for ordering

1 2014-02-07

DKSH

SDBB

Rev

Date

Completed By

Checked By

AFI

AFO

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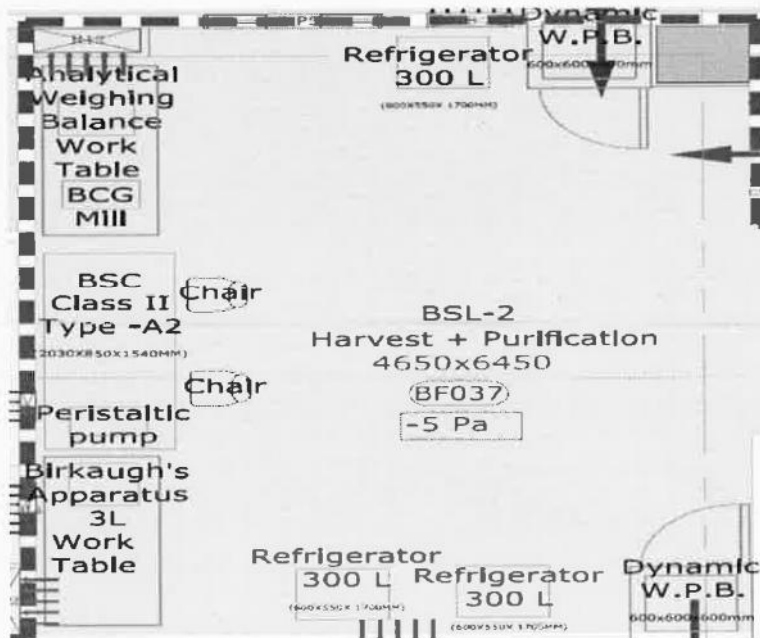
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	BF037, BSL
ROOM LOCATION:	2_HARVEST+PURIFICATION
1	FIRST FLOOR
2	ROOM AREA (L X W): (4650 X 6450) mm
3	FALSE CEILING: 3000 mm
4	ROOM PRESSURE : - 5 Pa
5	Temperature: 22+/- 2°C
6	Relative humidity: < 55 %



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