

**DATA SHEET**

**HLL LIFECARE LIMITED, CHENNAI**

**REVIVAL OF BCG VACCINE  
LABORATORY, GUINDY, CHENNAI**

nne pharmaplan®

**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)

**Preferred 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 / standrds**

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 certifacate should be provided.

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

AFI Approved for Enquiry

AFO Approved for ordering

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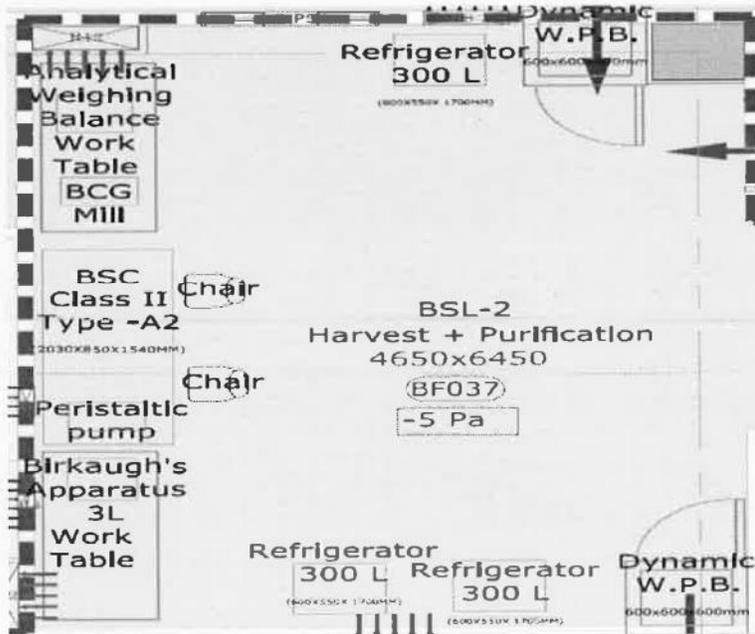
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	BF037, BSL
<b>ROOM LOCATION:</b>	2_HARVEST+PURIFICATION
1	FIRST FLOOR
2	<b>ROOM AREA (L X W):</b> (4650 X 6450) mm
3	<b>FALSE CEILING:</b> 3000 mm
4	<b>ROOM PRESSURE :</b> - 5 Pa
5	<b>Temperature:</b> 22+/- 2°C
6	<b>Relative humidity:</b> < 55 %



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