

Equipment Specification Data Sheet

Equipment Name: Digital tele-thermometer with probes for pyrogen testing

Document No.: DS-DTT 01

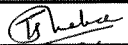

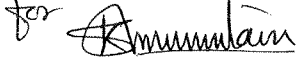
Revision: 00

Project No.: 120310


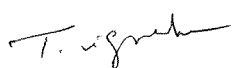

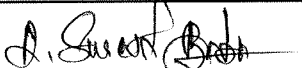
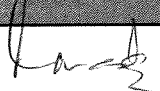
Project Name: Integrated Vaccines Complex, Chengalpattu


Block Code	Block Name	Identification No.	Capacity	Quantity
G1	Animal House	G1-DTT 01	-	1


NNE Pharmaplan India Limited

Name	Designation	Signature	Date
Prepared by			
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Checked by			
Mr. Yogesha M J	Process Engineer		11-02-2016
Approved by			
Dr. Harshad Mali	Lead Engineer - Process		11/02/2016

HLL Biotech Limited

Name	Designation	Signature	Date
Reviewed by			
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Equipment Specification Data Sheet				
HLL Biotech Limited, Chennai				
nne pharmaplan®		INTEGRATED VACCINES COMPLEX, CHENGALPATTU		 HLL BIOTECH LIMITED (Subsidiary of HLL Micros Limited) (A Government of India Enterprise)
		Equipment Name	Digital tele-thermometer with probes for pyrogen testing	
		Project #	120310	
		Document #	DS-DTT 01	
1	Process requirements			
1.1	It is an ideal, low cost, accurate and easy to operate instrument useful for Pyrogen testing in pharmaceutical industries. The instrument has various channels so that temperature of different rabbits can be monitored simultaneously. Special temperature probes are provided which can be easily inserted in the anus of the rabbits. Any of the channels can be selected by a rotary switch provided on the front panel. The instrument is useful for pyrogen testing			
2	Equipment ID			
2.1	G1- DTT 01			
3	Technical Specification			
3.1	Range	0° to 70° C		
3.2	Resolution	± 0.1° C		
3.3	Accuracy	± 0.5 %		
3.4	Channels	1- 6 channels, switch selectable		
3.5	Repeatability	± 1.0° C		
3.6	Display	Microprocessor based LED Display (Manual and Auto mode)		
3.7	Input	RTD (PT-100) or IC Sensor		
3.8	Probes	Minimum 06 Probes with 2 meter length cord		
3.9	Power Supply	Vendor to specify		
4	Material of Construction			
4.1	cGMP compliance			
5	Specific Equipment requirement			
5.1	The design of the equipment shall facilitate efficient and easy cleaning.			
5.2	The validation and calibration documents .			
5.3	The equipment shall be compatible for cleaning with all standard disinfectants.			
5.4	Easy training and implementation .			
5.5	Instrument should support fast response time (Quickly increasing or decreasing temperature measurements)			
6	Other requirement			
6.1	Instrment should accompanied by a PC for online data monitoring and printer for the data generation			
6.1	Operation and maintenance manuals shall be provided along with IOQ and PQ documents during installation at site			
6.2	List of standard spare parts with ordering information			
6.3	Warranty for 1 year from date of supply.			
7	Regulatory aspects			
7.1	CE Certification			
8	Safety requirements			

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	Equipment Name	Digital tele-thermometer with probes for pyrogen testing			
	Project #	120310			
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8.1	proper earthing to instrument.				
8.2	No sharp edges/Corners, crevices in the equipment.				
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	calibration certificates				
9.2	IOQ and PQ				
9.3	manuals				
10	Timelines				
10.1	Not Applicable				
11	Preferred list of Makes				
11.1	Radix, Panomex, acumen Labware				
TABLE NO: 1					
Equipment ID	Block Name	Room Name	Room No	Room dimension in mm	Room height in mm
G1- DTT 01	Animal house	Animal Room	G1G060	-	2700
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
Table-3: Annexure					
Not applicable					