

Equipment Specification Data Sheet

Equipment Name: GEL DOC SYSTEM

Document No.: DS-GDS 01




Revision: 00

Project No.: 120310


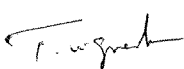

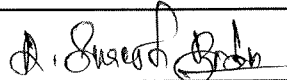
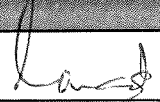
Project Name: Integrated Vaccines
Complex, Chengalpattu


Block Code	Block Name	Identification No.	Capacity	Quantity
Q1	Admin QA & QC	Q1-GDS 01	-	1


NNE Pharmaplan India Limited


Name	Designation	Signature	Date
Prepared by			
Mr. Tushar Shinde	Process Engineer		11/02/2016
Checked by			
Mr. Yogesha M J	Process Engineer		11-02-2016
Approved by			
Dr. Harshad Mali	Lead - Process Engineer		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 pharma plan®	INTEGRATED VACCINES COMPLEX, CHENGALPATTU	
	Equipment Name	GEL DOC SYSTEM
	Project #	120310
	Document #	DS-GDS 01
		
1	Process requirements	
1.1	The equipment will be used to capture, optimise and document the image of nucleic acid and protein bands in gel either made of agarose or polyacrylamide. the equipment include UV trans illumination, CCD camera and connected to PC for image acquisition.	
2	Equipment ID	
2.1	Q1-GDS 01	
3	Technical Specification	
3.1	Darkroom	Compact design, Gel viewer window, door for accessing sample (access for excision or repositioning of illuminated gel)
3.2	Detector	CCD
3.3	image resolution	Should have atleast 4.0 megapixel Image resolution
3.4	filter	Excitation source: UV and Epi - white light
		Emission filters: 3-5 position holders with one standard filter (to view EtBr staining, SYBR green)
3.5	PC	External PC to be provided
3.6	Software	software to support image capturing,enhancement,editing,annotation,archiving and analysis, Microtitre plate, Eli spot, Array & Dot blot analysis, Q-PCR, Gel scoring, Band matching etc., optimising and saving; fast and efficient data transfer; automated work flows; autofocus
3.7	Max. Sample Size	vendor to specify
3.8	dimension	vendor to specify
3.9	weight	vendor to specify
3.10	operating voltage	vendor to specify
3.11	Quantity	1
4	Material of Construction	
4.1	Main body	vendor to specify
5	Specific Equipment requirement	
5.1	Equipment shall facilitate easy cleaning and maintenance with standard disinfectant	
5.2	White Light Conversion screen	
5.3	Application: Ethidium bromide, SYBR green, Coomassie blue, Silver stain	
5.4	Detect straight, curved or slanted/ bands	
5.5	Enhance images with tools including emboss, invert and pseudocolor	
5.6	Create templates with customized settings for repeat experiments	
5.7	System shall able to have Ready to image the gel function without staining or destaining	
6	Other requirement	
6.1	PC based result viewing and interpretation of results.	
6.2	Training/Demo for the users on operation and cleaning to be provided	
6.3	cables and accessories for data transfer to be provided	

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	Equipment Name	GEL DOC SYSTEM	
	Project #	120310	
	Document #	DS-GDS 01	
7	Regulatory aspects		
7.1	CE certification		
8	Safety requirements		
	Following facilities must be provided to protect personnel and equipment:		
8.1	Appropriate clousure of all parts		
8.2	Proper earthing of 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	IOQ Protocol.		
9.2	Operational Manual and maintainance manual shall be provided along with IQ and OQ documents during installation at site		
9.3	warranty certificate for one year from date of supply		
9.4	calibration certificate of critical instruments with respect to the tracable national reference standard instrument and their calibration procedure		
9.6	Vendor should provide list of standard spare parts with ordering information.		
10	Timelines		
10.1	Not Applicable		
11	Prefered list of make		
11.1	BIORAD,UVP Ltd, Syngene,Vilber lourmet,Protein simple		
	NOTE: Accurate size and technical specification need to be mentioned by the vendor		

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TABLE NO: 1					
Equipment ID	Block Name	Room Name	Room No	Room dimension in mm	Room height in mm
Q1-GDS 01	Admin, QA & QC	Immuno chemistry lab	Q1S026	-	-
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
26-11-2015	Tushar Shinde	00	-	New Document	
Table-3: Annexure					
Not applicable					

