

Indian Institute of Technology, Kanpur Department of Biological Sciences& Bioengineering

Tender Documents

Sub: ENQUIRY LETTER FOR BLMkit - Kit for the Lipid Bilayer Membrane Experiments

Tender Enquiry Number: IITK/BSBE/DKD/2021-22/LTAS-16 Enquiry Date: 30.11.2021

Closing Date: 09.12.2021 Opening Date: 10.12.2021

Quotations are invited for the above mentioned Subject as per the technical specifications given below:

Specifications

FUNCTIONS	Kit for the Lipid Bilayer Membrane Experience
FILTER CHARACTERISTICS	
Type:	8-pole, selectable Butterworth and Bessel.
Attenuation Slope:	48dB/octave
Tunable Frequency Range fc:	0.1Hz to 200kHz; (option 002, 0.005Hz)
Frequency Resolution:	0.001Hz, 0.1Hz to 0.999Hz; 3 Digits, 1Hz to 200kHz, (option 002, 0.001Hz from 0.005Hz to 0.1Hz).
Cutoff Frequency Accuracy:	±3%
Relative Gain at fc:	-3dB, Butterworth; –12.6dB, Bessel.
High-Pass Bandwidth (0dB Gain):	>2MHz
Stopband Attenuation:	>80dB
Wideband Noise (2MHz bandwidth detector):	OdB gain, <400μVrms. Max. gain, <25μVrms RTI.
Harmonic Distortion (1V input, 0dB gain):	-60dB (0.1%) to 10kHz; -50dB (0.3%) to 100kHz
DC Stability:	Typically ±1mV/°C
Input:	Differential or single-ended
Pre-Filter Gain:	0dB, 10dB, 20dB, 30dB, 40dB, 50dB,±0.2dB.
Impedance:	1 megohm in parallel with 25pf.
Maximum Input:	±10V peak at OdB gain, reduced in proportion to gain setting.
CMRR:	>60dB to 10kHz; >50dB to 100kHz
Coupling:	ac (0.16Hz) or dc.
Sensitivity:	3mV peak with 70dB total gain for 10V peak output.
Maximum DC Component:	±100V in ac coupled mode.
Including	
Light Amplifier	r (±200pA and ±20nA current ranges; ±500mV voltage range; max bandwidth 100kHz
Software	Software with real-time analysis
Software	Software for data analysis post processing
	Faraday cage
	Amplifier holder
Cuvette	BLM cuvette
	Paintbrush
6 membranes at choice from the follo	owing
	polyimide membrane Ø 100μ

	polyimide membrane Ø 150μ
	polyimide membrane Ø 200μ
	Electrodes adaptor
	USB cable
Warranty:	1 Year

Note: The Quotation should reach the undersigned on Or Before 5 Pm on a 08TH December, 2021.

Indentor Details:

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Lab-17,
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Terms and Conditions:

- 1. Quotation Should Be offred through Speed Post/ Courier with Sealed envelopes.
- 2. Maximum discount should be offered.
- 3. Quotations should be valid for minimum 90 days
- 4. Delivery period will be 4-6 weeks after receipt of purchase order.
- 5. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
- 6. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
- 7. Manufacturer authorization certificate from principal company is required if you are a local supplier
- 8. Include Preparatory item certificate if applicable.
- 9. The Institute reserves the right of accepting or rejecting any quotation without assigning any reason thereof.
- 10. All prices should be mentioned F.O.B/CIP/CIF New Delhi or Destination at IIT Kanpur.
- 11. Payment Terms: 100% after supply the Materials.
- 12. Bidder Clearly Mention Contact details with address and email ID.

Signature

(Dr. Dibyendu Kumar Das)