

Government of West Bengal

INSTITUTE OF POST-GRADUATE  
MEDICAL EDUCATION & RESEARCH

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Date: 08.1.2018

**To whom it may concern**

Quotation are invited for chemicals, reagents and kits for the fulfilment of WB-DBT funded research project entitled "Identification of a noninvasive biomarker to distinguish patients with ITB and CD from integrated mRNA and microRNA transcription sequencing" [Project No: 7(Sanc)/BT(Budg)/RD-02/2016].

The list of items along with their specifications are enclosed herewith.

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*Forwarded*  
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**Specifications for tender of reagents required in**

Manufacturer	Item	Specifications
Sigma	Trizma base-1 kg	<ul style="list-style-type: none"> <li>• Trizma<sup>®</sup> base - BioPerformance Certified, meets EP, USP testing specifications, cell culture tested, <math>\geq 99.9\%</math> (titration)</li> <li>• Quality Level: <u>ELITE</u> description: aminopeptidase substrate grade: BioPerformance Certified</li> <li>• suitability: cell culture tested meets EP, USP testing specifications</li> <li>• useful pH range: 7 - 9 impurities: DNase, RNase, protease, none detected Endotoxin and Total Count Aerobic, Yeast, plus Mold, tested, <math>\leq 0.2\%</math> water (Karl Fischer), cation traces: heavy metals (as Pb): <math>\leq 2</math> ppm pKa (25 °C): 8.1 10.0-11.5, assay: <math>\geq 99.9\%</math> (titration)</li> <li>• Life Science Graded</li> </ul>
	DEPC (Diethyl pyrocarbonate) -5ml	Colorless, clear liquid, 97% purity by titration by HClO <sub>4</sub> and by NMR, Retest period ~2 years
	Hygromycin B-50mg	Hygromycin B from Streptomyces hygrosopicus.
	Acrylamide-1Kg	Powder, For Molecular Biology, 99% purity by HPLC

	RNA later (500ml)	Preserve RNA in tissues for up to 1 day at 37°C, 1 week at 25°C, and 1 month or more at 4°C
	Cell Culture tested DMSO, liquid-50ml	Available in 50 ml format has been optimized and validated for cell culture and stem cell culture
Roche	FastStart Universal SYBR Green Master (ROX)- 5ml x 6	
Thermoscientific	Super Signal West Pico Plus Chemiluminescent Substrate (500ml)	<ul style="list-style-type: none"> <li>• Detect picogram levels of protein with minimal background</li> <li>• Non-radioactive</li> <li>• No optimization required; easily switch from other entry-level ECL substrates</li> </ul>
	Fetal Bovine Serum (500ml)	Heat Inactivated Fetal Bovine Serum from Gibco® Mammalian cell culture
	Revertaid Reverse Transcriptase (200u/ul) 50µl x 3	<ul style="list-style-type: none"> <li>• Efficient synthesis of full-length first strand cDNA up to 13 kb</li> <li>• Optimum activity at 42°C</li> <li>• Active up to 50°C</li> <li>• Incorporates modified nucleotide</li> </ul>

Qiagen	miRCURY™ Exosome Isolation Kit – Serum and plasma (50 rxn)	rapid method for the isolation and purification of exosomes from serum and plasma
	miRNeasy Mini Kit (50 rxn)	<ul style="list-style-type: none"> <li>• For purification of total RNA, including miRNA, from animal and human cells and tissues</li> <li>• The miRNeasy Mini Kit combines phenol/guanidine-based lysis of samples and silicamembrane-based purification of total RNA.</li> </ul>

  
  
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