

GOVERNMENT OF WEST BENGAL
Office of the Principal
NRS Medical College, Kolkata-14

E-mail: principalnrmc@gmail.com

phone no : 2286-0033(direct)

Memo No: NMC/Store/ 5978

Date: 13/10/2025

Quotation Notice

Sealed quotations are invited from bonafide firms with superscription "Quotation for Chemical & Reagent and Consumables " for WB-DSTBT Project for Exploring Genotyping-Phenotypic Relationships and Genetic Modifiers in Sickle Cell Anemia Patients From West Bengal Funded by Department of Science & Technology and Biotechnology , Govt. of West Bengal under the Supervision of PI Dr. Tuphan Kanti Dolai , Department of Hematology , NRSMC&HICMR and Co PI Dr. Aditi Sen and Abhisekh Sharma Department of Hematology , NRSMC&HICMR of this Institution . The quotation should reach the office of the undersigned on or before 25.10.25 by 1 PM. The quotation should accompany current valid trade Licence, Income Tax Return, PAN No., GST Registration Certificate (not provisional)

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Rate must be submitted after calculating GST or other Taxes, if any according to the following format

Sl. No.	Name Of Articles	RATE/UNIT
1	Custom DNA Oligonucleotides (20-25 bp)	
2	Agarose (500gm)	
3	Ice Box	

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Memo No: NMC/Store / 5978 / 1 (A)

Dated: 13/10/2025

1. The Dy. Director of Health Services(E&S),Govt of West Bengal, CMS, Kolkata
2. The Joint Secretary, IT Cell, Department of Health and Family Welfare. Govt. Of West Bengal, Swasthya Bhawan, Kol-, with the request for publication of the Quotation Notice and Terms & Condition in the Govt Website.
- 3.-5. The Principal, Medical College/R.G.Kar Medical College/National Medical College, Kolkata
6. The District Magistrate, South 24 pargana, Howrah, Nadia, West Bengal.
7. The Medical Superintendent-cum-Vice Principal, NRSMCH, Kolkata
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N.R.S. Medical College & Hospital
Department of Haematology
138, A.J.C. Bose Road, Kolkata -700014, West Bengal

List of Articles with Specification

SL No.	Name of the Article	Specification
1	Custom DNA Oligonucleotides	20-24 base long, HPLC purification, Guaranteed yield > 20nmol, Datasheet must include yield, T_m (melting temperature), MW, and µg/OD. DNA Oligonucleotides are short, single- and double- stranded synthetic DNA sequences that can be used in a variety of molecular biology applications. Using the Oligo Entry ordering tool, you can design your oligos to contain any DNA sequence you require and select from hundreds of modifications to suit your specific research needs. Every DNA Oligo will be deprotected and desalted to remove small molecule impurities. In addition, oligos will be quality controlled via proprietary ESI- MS*, and quantified twice by UV spectrophotometry to provide yield measurements. For standard, desalted oligos ≥20 bases.

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Sl. No.	Name Of Articles	RATE/UNIT
1	Master Mix Green (100 reaction)	
2	Diluent DNA extraction (Molecular Biology grade (500gm)	
3	Blood Transport Box	

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2	Master Mix, Green	All-in-One Optimized PCR Master Mix—Just Add Template, Primers and Water Directly substitute into your current PCR conditions Use the green master mix for direct-to-gel analysis after amplification Use the colorless master mix for post-amplification analysis by fluorescence or absorbance without prior DNA purification DNA Polymerase is a proprietary formulation of Taq DNA polymerase that gives robust amplification equal to and, in some cases, superior to that of standard Taq DNA polymerase. For ultimate in convenience, choose GoTaq® Colorless Master Mix or GoTaq® Green Master Mix and directly substitute in current PCR application—no need to change cycling parameters. Both Master Mixes are ready-to-use 2X solutions that contain GoTaq® DNA Polymerase, dNTPs, MgCl₂ and reaction buffer at optimal concentrations for efficient amplification of DNA templates by PCR. GoTaq® Green Master Mix also includes two dyes (blue and yellow) that allow monitoring of progress during electrophoresis. The blue dye comigrates at the same rate as 3–5kb DNA fragments in a 1% agarose gel. The yellow dye migrates ahead of primers (<50bp). GoTaq® Colorless Master Mix has the same formulation as the GoTaq® Green Master Mix but does not include the dyes. Both also include Nuclease-Free Water. Reactions assembled with the GoTaq® Master Mixes have sufficient density for direct loading onto agarose gels. Reactions can be set up in less than a minute; simply add template, water and primers and go GoTaq® Green and Colorless Master Mix reaction size is based on a 50µl reaction volume
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Sl. No.	Name Of Articles	RATE/UNIT
1	DNA Purification Kit(250 reaction)	
2	TAE 50X (Molecular Biology grade (500gm)	
3	Micro Pipette Tips (0.1-10ul)	

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3	DNA purification kit	Purification of genomic, mitochondrial or viral DNA from whole blood and body fluids, 250 rxn, Spin column-based technique, Silica technology, Yield 20-30 µg. Rapid purification of high-quality, ready-to-use DNA No organic extraction or alcohol precipitation Consistent, high yields Complete removal of contaminants and inhibitors for reliable results Kit formats for low- to high-throughput – options for automation of all kits DNA Blood Kits yield DNA sized from 200 bp to 50 kb, depending on the age and storage of samples. The purified DNA is suitable for long-range PCR amplification (see figure " Long-range PCR") and restriction fragment length polymorphism (RFLP) analysis used, for example, for paternity testing (see figure " Paternity testing by RFLP analysis"). DNA Blood Midi Kit yields up to 94.5% recovery of DNA; DNA Blood Maxi Kit yields up to 95.8% recovery of DNA, depending on the starting cell densities (see table "DNA yields from human whole blood with different cell densities").
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Sl. No.	Name Of Articles	RATE/UNIT
1	Total DNA Isolation Kit(250 reaction)	
2	Micro Centrifuge Tube(1.5ml)	

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4	Total DNA isolation kit	For 250 rxn, extraction of total DNA from animal blood and tissues and from cells, yeast, bacteria, or viruses, 96-well plate & spin column-based technique, Silica technology, Yield 10µg/30µg. Standardized method for a variety of sample types High yields even from specialized samples High-quality DNA Optimized protocols for a range of starting materials Spin-column and 96-well high-throughput formats Automate workflows on the QIAcube Connect Main sample type Blood, tissue Sample amount 100 µl/25 mg
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5	Agarose Gel	Gelling temp (1.5%): 34.5 ⁰ – 37.5 ⁰ C Moisture: <10% Sulfate: <0.15% Gel strength (1%): > 1200 g/cm ² DNase/RNase: None Detected
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