



File No. AIIMS/NAG/RPC/Patho/2026/447/23/109

Dt. 21 Sep 2026

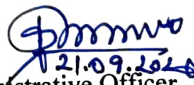
NOTICE INVITING QUOTATIONS

The Executive Director, All India Institute of Medical Sciences, Nagpur invites quotations from the reputed supplier for **miRNA EXTRACTION KIT, miRNA ASSAYS & OTHER CONSUMABLES FOR miRNA PROCESSING** for the Dept. of Pathology at AIIMS, Nagpur details are given below:

S. N.	Items	Qty	Unit Price	Total	GST%	Net Total I/c. GST
1.	miRNA extraction kit for serum or plasma	1				
2.	miRNA to cDNA synthesis kit	1				
3.	miRNA assay for miRNA 510	1				
4.	miRNA assay for miRNA 629	1				
5.	miRNA assay for hsa-miR-16-5p	1				
6.	miRNA assay for hsa-miR-484	1				
7.	Fast advanced master mix for qPCR	3				

TERMS AND CONDITIONS:

1. All quotations to be submitted in the name of **Executive Director, AIIMS Nagpur** only. Quotations not addressed to Executive Director, AIIMS, Nagpur will not be opened and rejected summarily.
2. Copy of NIQ along with annexure duly signed and stamped by the vendor to be submitted along with quotation by accepting all the terms and condition of the NIQ.
3. Vendors are requested to submit detailed technical specification of quoted along with brochure.
4. Quotation without technical specification will be strictly rejected.
5. A compliance statement of the technical specifications needs to be submitted along with the quotation.
6. All reagents shall be of molecular biology/research-use quality and shall be supplied as Research Use Only (RUO) products, suitable for the intended miRNA extraction, cDNA synthesis and quantitative real-time PCR applications.
7. **Rates:** Per unit, excluding GST; applicable taxes to be quoted separately.
8. **Delivery:** FOR O/o The Director, AIIMS Nagpur, within 60 days of Supply Order.
9. A declaration by the vendor is required to be submitted along with quotation stating that vendor is not debarred by Department of Commerce or Ministry/ Department concerned. The date of declaration should not be before the date of NIQ and after the last date of submission of quotation.
10. **Liquidated Damages Charges:** - In the event of the Seller's failure supply, Liquidated Damages charges will be deducted to the sum of 0.5% of the contract price of the delayed/undelivered, stores/services mentioned above for every week of delay or part their of a week, subject to the maximum value of the Liquidated Damages being not higher that 10% of the value of delayed stores.
11. Payment will be released on inspection of supplied material found satisfactory by the concerned department as regard to quality, quantity etc. Damage items, will have to be replaced before payment.
12. Bank details i.e A/c No. & IFSC Code etc. should be furnished so as to facilitate payment on line, if any.
13. Rights to accept/reject any quotation rest with AIIMS Nagpur.
14. Application support (online/offline) for setting up the test should be provided.
15. Interested parties should submit their .quotations in **sealed envelope in Admin Block, super scribing "Quotation for the supply of miRNA extraction kit, miRNA assays and other consumables for miRNA processing for Pathology through RPC at AIIMS NAGPUR NIQ NO. AIIMS/NGP/RPC/Patho/2026/447/23/109 Dt. 21 Sep 2026"** on or before **28 Sep 2026 before 17:00hrs** which will be opened on **29 Sep 2026 at 11:00hrs.**


21.09.2026
Administrative Officer

AIIMS Nagpur

विपिन कुमार/Vipin Kumar

प्रशासनिक अधिकारी (पी & एमएम)/Administrative Officer (P & MM)

अ.भा.आ.स. नागपुर/AIIMS, Nagpur

ANNEXURE - I
Recommended specifications for miRNA reagents and miRNA extraction kit

S.N.	Item Name	Recommended Specifications
1.	miRNA extraction kit for serum or plasma- 50 tests.	- Specifically designed for isolation and purification of total RNA including small RNAs/miRNA from human serum and plasma samples. - The extraction method shall efficiently recover circulating cell-free miRNA and miRNA associated with extracellular vesicles/exosomes and protein complexes. - The extraction chemistry shall provide effective cell/extracellular-vesicle lysis and RNase inactivation/protection to facilitate recovery of circulating miRNA. - The kit shall be suitable for processing approximately 200 µL of human serum or plasma per preparation. - The purification method may be based on silica membrane/spin-column or magnetic-bead technology, provided it demonstrates efficient recovery of small RNAs/miRNA from serum and plasma. - The method shall preserve small RNAs/miRNA and provide purified RNA suitable for downstream molecular applications. - Purified RNA shall be suitable for mature miRNA quantitative real-time PCR, including use with the universal miRNA cDNA synthesis and mature miRNA assay workflow specified in this procurement. - Purified RNA shall be suitable for other sensitive downstream applications such as miRNA expression analysis and sequencing-based applications, where applicable. - The kit shall contain all essential reagents and consumables required for RNA extraction and purification, including appropriate RNA-binding medium, wash reagents and elution reagent/buffer. - The kit shall provide purified RNA in a low-volume eluate suitable for downstream miRNA analysis. - The quoted pack shall be sufficient for a minimum of 50 complete serum/plasma RNA extraction tests, with all reagents and consumables required for the specified number of tests included in the pack. - All reagents shall be supplied in original sealed packaging with lot/batch number, expiry date, recommended storage conditions and detailed Instructions for Use (IFU).
2.	miRNA to cDNA synthesis kit	- The kit shall be intended for preparation of cDNA templates from mature miRNA for downstream quantitative real-time PCR analysis using mature miRNA-specific assays. - The kit shall enable analysis of multiple mature miRNA targets from a single cDNA preparation, including samples with limited RNA quantity such as serum and plasma. - The cDNA synthesis workflow shall comprise sequential 3' poly(A) tailing, 5' adaptor ligation, universal reverse transcription and miRNA amplification (miR-Amp) steps. - The kit shall contain reagents required for poly(A) tailing, including poly(A) buffer, ATP and poly(A) enzyme. - The kit shall contain reagents required for adaptor ligation, including ligation buffer, RNA ligase, PEG and ligation adaptor. - The kit shall contain reverse-transcription reagents including RT enzyme mix, RT buffer, universal RT primer and dNTP mix. - The kit shall include reagents required for universal miRNA amplification, including miR-Amp primer mix and miR-Amp master mix. - The universal RT primer shall bind to the poly(A) tail and generate cDNA suitable for analysis of multiple mature miRNA targets. - The resulting amplified cDNA shall be suitable for downstream mature miRNA quantitative real-time PCR assays. - The kit shall contain sufficient reagents for 50 complete cDNA synthesis reactions. - Reagents shall be supplied with appropriate storage conditions and in original sealed packaging. - The kit shall be supplied with detailed Instructions for Use (IFU) describing the complete cDNA synthesis and amplification workflow.

S.N.	Item Name	Recommended Specifications
3.	miRNA assay for miRNA 510	1. Predesigned, target-specific assay for quantitative detection of mature miRNA-510 by real-time PCR. 2. Assay shall comprise target-specific primer/probe components designed for specific detection of the mature miRNA target. 3. Assay shall be compatible with the universal miRNA cDNA synthesis workflow involving poly(A) tailing, adaptor ligation, universal reverse transcription and miRNA amplification. 4. Assay shall be suitable for quantitative analysis of miRNA from serum/plasma-derived RNA and other validated RNA samples. 5. Detection shall employ hydrolysis probe-based real-time PCR chemistry with target-specific amplification and fluorescence generation. 6. Assay shall be compatible with the specified universal miRNA cDNA synthesis kit and corresponding real-time PCR master mix. 7. The assay shall be supplied in sufficient quantity for a minimum of 250 real-time PCR reactions.
4.	miRNA assay for miRNA 629	1. Predesigned, target-specific assay for quantitative detection of mature miRNA-629 by real-time PCR. 2. Assay shall comprise target-specific primer/probe components designed for specific detection of the mature miRNA target. 3. Assay shall be compatible with the universal miRNA cDNA synthesis workflow involving poly(A) tailing, adaptor ligation, universal reverse transcription and miRNA amplification. 4. Assay shall be suitable for quantitative analysis of miRNA from serum/plasma-derived RNA and other validated RNA samples. 5. Detection shall employ hydrolysis probe-based real-time PCR chemistry with target-specific amplification and fluorescence generation. 6. Assay shall be compatible with the specified universal miRNA cDNA synthesis kit and corresponding real-time PCR master mix. 7. The assay shall be supplied in sufficient quantity for a minimum of 250 real-time PCR reactions.
5.	miRNA assay for hsa-miR-16-5p	1. Predesigned, target-specific assay for quantitative detection of human mature hsa-miR-16-5p by real-time PCR. 2. Assay shall comprise target-specific primer/probe components designed for specific detection of the mature miRNA target. 3. Assay shall be compatible with the universal miRNA cDNA synthesis workflow involving poly(A) tailing, adaptor ligation, universal reverse transcription and miRNA amplification. 4. Assay shall be suitable for quantitative analysis of miRNA from serum/plasma-derived RNA and other validated RNA samples. 5. Detection shall employ hydrolysis probe-based real-time PCR chemistry with target-specific amplification and fluorescence generation. 6. Assay shall be compatible with the specified universal miRNA cDNA synthesis kit and corresponding real-time PCR master mix. 7. The assay shall be supplied in sufficient quantity for a minimum of 250 real-time PCR reactions.
6.	miRNA assay for hsa-miR-484	1. Predesigned, target-specific assay for quantitative detection of human mature hsa-miR-484 by real-time PCR. 2. Assay shall comprise target-specific primer/probe components designed for specific detection of the mature miRNA target. 3. Assay shall be compatible with the universal miRNA cDNA synthesis workflow involving poly(A) tailing, adaptor ligation, universal reverse transcription and miRNA amplification. 4. Assay shall be suitable for quantitative analysis of miRNA from serum/plasma-derived RNA and other validated RNA samples. 5. Detection shall employ hydrolysis probe-based real-time PCR chemistry with target-specific amplification and fluorescence generation. 6. Assay shall be compatible with the specified universal miRNA cDNA synthesis kit and corresponding real-time PCR master mix. 7. The assay shall be supplied in sufficient quantity for a minimum of 250 real-time PCR reactions.

S.N.	Item Name	Recommended Specifications
7	Fast advanced master mix for qPCR	1. The master mix shall be a 2X ready-to-use formulation for hydrolysis probe-based real-time PCR. 2. The master mix shall be suitable for quantitative PCR using mature miRNA-specific hydrolysis probe assays. 3. The master mix shall be compatible with the universal miRNA cDNA synthesis and miRNA assay workflow specified in this procurement.. 4. The master mix shall support both Fast and Standard real-time PCR cycling. 5. The master mix shall be suitable for 10 µL and 20 µL PCR reaction volumes and corresponding 96-/384-well real-time PCR formats. 6. The master mix shall be supplied as three separate vials of 1 mL each (total quantity 3 mL), sufficient for a minimum of 300 real-time PCR reactions of 20 µL each, based on a usage of 10 µL of 2X master mix per reaction. 7. The product shall be supplied in original sealed packaging with complete lot/batch number and expiry information. 8. The product shall be supplied with the relevant Instructions for Use/Product Insert and shall be suitable for Research Use Only (RUO). 9. The product shall be supplied and transported under the recommended storage conditions specified by the manufacturer.

ANNEXURE- II

Recommended specifications and Table of Compliance for the kit

The distributor is required to indicate compliance with each of the below- mentioned terms and conditions by marking yes or no in the respective column and are requested to provide Annexure -II on the company's letterhead.

S. N.	Specifications	Compliance (Yes/No)	Proof provided (Yes/No)
1.	Technical specifications as per Annexure-I.		
2.	miRNA extraction kit suitable for human serum or plasma for minimum 50 tests.		
3.	miRNA cDNA synthesis kit suitable for preparation of cDNA from mature miRNA for minimum 50 reactions.		
4.	Mature miRNA assays for the specified targets, suitable for minimum 250 reactions per assay.		
5.	2X hydrolysis probe-based real-time PCR master mix suitable for the specified miRNA workflow.		
6.	The quoted products must be of research-grade quality and are to be strictly utilized for the Research project, adhering to all established research guidelines and laboratory protocols to ensure compliance with scientific and regulatory standards.		
7.	The supplier shall ensure that the products supplied have sufficient remaining shelf life for the intended use and are within their stated expiry period at the time of delivery. Expiry date and lot/batch number shall be clearly mentioned on the supplied products.		
8.	It is the responsibility of the supplier to maintain the recommended storage/cold-chain conditions, as applicable, until the products reach the user department. Products affected due to improper transportation/storage shall be replaced.		
9.	In the event of deterioration of material before the stated expiry period, the dealer/supplier shall replace the affected product(s).		
10.	If the short shelf life of a particular product does not permit bulk storage, the distributor may be asked to supply the same in a staggered manner under one Purchase Order.		
11.	The quantity mentioned here is tentative and may increase or decrease based on the requirement of AIIMS, Nagpur.		
12.	Copy of NIQ along with this annexure duly signed and stamped by the vendor to be submitted along with quotation. (*Provide copy)		
13.	A declaration by the vendor stating that the vendor is not debarred/blacklisted by the Department of Commerce or concerned Ministry/Department. (*Provide non-blacklisting declaration)		
14.	GST No. Registration Certificate. (*Provide proof)		
15.	Proof of Authorized Vendor/Distributor/Sub-distributor, wherever applicable, on the letterhead of the concerned company. (*Provide proof)		
16.	Official Product Brochure/Product Datasheet/Instructions for Use (IFU) of the quoted products. (*Provide proof)		
17.	Rates of articles should be quoted per unit item without including GST.		
18.	Delivery Period: Within 60 days from the date of supply order.		
19.	100% payment after delivery.		
20.	No additional delivery charges shall be levied.		

- Submission of the proofs marked with an asterisk (*) is **mandatory** along with the quotation.
- Make Sure Annexure II is duly signed and stamped by Authorized Signatory.
- Evaluation will be based on the degree of compliance, and the distributor demonstrating the highest compliance will be considered for procurement. Any non-compliance with mandatory/non-negotiable criteria will not be entertained and will lead to disqualification.