

DEPARTMENT OF MICROBIOLOGY
JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION AND RESEARCH (JIPMER)
(An Institution of National Importance under Ministry of Health & Family Welfare, Govt. of India)
Dhanvantri Nagar, Pondicherry - 605 006

No: JIP/RES/Intramural/Sub com/2020-21

Dated: 24-11-2020

Project title: Molecular diagnosis, strain typing and transcriptomic profiling of Mycobacterium tuberculosis isolated from patients with tuberculous meningitis

Sub: JIPMER, Pondicherry – Supply of Consumables and Non-Consumables
Limited Tender Quotations invited - reg

Limited quotation are invited for supply of the consumables as per the list given overleaf/attached and as per the enclosed format, subject to the following terms and conditions:

1. Rates should be quoted only for the items, which are available in stock and can be supplied immediately on receipt of order.
2. No insurance charges are payable as per the rules in the Government. As such, the firms before quoting should take into consideration all the risks in the transit and then furnish Limited Tender which should cover insurance charges also. If any point is raised as regards insurance charges after orders are issued, the same will not be entertained and the firm thereafter should effect the supply at their own cost.
3. Rates should be quoted for **The Director, JIPMER, Puducherry – 605006**. Extra packing, forwarding charges etc should not be quoted.
4. Delivery is required urgently. Tenderers should please state the guarantee delivery period they can offer. As delivery date is essence of the contract, this should be strictly adhered to by the successful tenderer.
5. The supplies which are not according to the specifications and not meeting our requirement will not be accepted.
6. The undersigned shall have the right of rejecting the Limited Tender in whole or part without assigning any reasons therefore.
7. Company name and catalogue number must be quoted for each product. Failure to quote the company name or catalogue number of the product will be rejected. Final quantity may vary
8. Sample should be provided as and when requested.
9. Furnish your Limited Tender in a sealed cover superscribing as:

“Limited Tender for Supply of Consumables – Ref. No.” No: **JIP/RES/Intramural/Sub com/2020-21**

Dr. Noyal Mariya Joseph, Associate Professor, Department of Microbiology, JIPMER, Puducherry

10. Limited tender should reach this office (Dr. Noyal Mariya Joseph, Associate Professor, Department of Microbiology, JIPMER, Puducherry -605006) on or before **14.12.2020**. Tender received after the due date will summarily rejected.

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TABLE 1: Proteomics and Whole transcriptome analysis

S. No	DESCRIPTION ITEMS	Quantity
2D gel electrophoresis and Mass spectroscopy analysis		
1.	Pre sample Processing & SDS PAGE Analysis	10
2.	2D Sample Analysis 13cm – pI Determination (3 - 10 or 4 – 7)	5
3.	2D Sample Analysis 13cm	10
4.	Protein Identification by MALDI TOF Analysis	20
5.	Bioinformatics Analysis including Gene Ontology	
Whole transcriptome sequencing for <i>Mycobacterium tuberculosis</i> strains		
6.	Total RNA QC, Bacterial Ribodepletion and RNA sequencing library Preparation, Sequencing on Illumina or Novaseq platforms with 2x150 PE sequencing to generate 30 million reads or 3 GB/sample. Analysis: Reference-based alignment, Differential gene expression, RPKM/FPKM values and P-value significance gene list (up and down-regulated) Heat map and Clustering, Venn Diagram Annotation, GO analysis and Pathway analysis	5 samples

Table 2: Cell culture and Molecular work

S.No	DISCREPTION ITEMS	Volume	company	Cat no.	Quantity
1	RPMI 1640 Medium (ATCC modification)	500ml	Thermo Fisher Scientific	A1049101	2 no's
2	CO ₂ Independent Medium	500ml	Thermo Fisher Scientific	18045088	1 no
3	Trypsin-EDTA	100ml	Sigma	T3924	1 no
		100ml	Cell clone	CC5027.010L	
4	Fetal bovine serum	100ml	Sigma	RM1112	1 no
5	Gentamycin	20ml	Himedia	A005-20ML	1 no
6	Hygromycin	20ml	Himedia	A015-20ML	1 no
7	Kanamycin	20ml	Himedia	A008-20ML	1 no
8	Phorbol myristate acetate (PMA)	1mg	Sigma	P8139	1 no
9	Triton-X-100	50ml	Any company		
10	MTT	1gm	Life technology	m6494	1
		1gm	Sigma	M2003-1G	1
		250gm	Sigma	88417-250MG	1
11	7H10 agar	100gm	Himedia		1 no
12	96 well plate (only flat bottom, cell culture grade)	20 nos.	Nest		1 Pack
13	T25 flask	50 nos.	Tarson	950010	50 nos
14	Disposable Petri dishes	25 nos.	Tarson		50 nos
15	ELISA kit for TNF- α	12x8 strips format			5 nos
16	ELISA kit for IFN- γ	12x8 strips format			5 nos
17	ELISA kit for IL-12	12x8 strips format			5 nos
18	ELISA kit for IFN- α	12x8 strips format			5 nos
19	ELISA kit for IL-10	12x8 strips format			5 nos
20	ELISA kit for IL17	12x8 strips format			5 nos
21	FastStart Universal Probe Master (Rox)	250 x 20 μ L reactions	Sigma (Merck)	4913949001	2
22	MicroAmp™ Optical 8-Tube Strip, 0.2 mL	125 strips/Pack	Applied Biosystems	4316567	1
23	MicroAmp™ Optical 8-Cap Strips	300 strips/Pack	Applied Biosystems	4323032	1
24	UNIVERSAL PROBELIBRARY PROBE 039	125 μ l (2/ Pack)	Sigma (Merck)	4687973001	1
25	UNIVERSAL PROBELIBRARY PROBE 028	125 μ l (2/ Pack)	Sigma (Merck)	4687604001	1

NOTE: Please quote the unit price for the above mentioned item.

Yours sincerely,



Dr. Noyal Mariya Joseph
Associate Professor,
Department of Microbiology
JIPMER, Puducherry

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