

**Udai Pratap Autonomous College, Varanasi
Department of Zoology**



RefNo.: UPC/Zool/CSTUP-Project-5168/2025-26/Tender for quotations/1

Date: 23.02.2026

Notice for inviting quotations for the purchase of Chemicals/Consumables

Reference: Research project entitled "Applications of Omics Technology to Study the Impact of Environmental Contaminants on Integrity of Integument of Indian Major Carp" (Project ID: 5168) dated 25.08.2025 sanctioned to Dr. Ashwini Kumar Nigam, (P.I.), Department of Zoology, Udai Pratap College, Varanasi, U.P.

Sealed Quotations are invited from the reputed Agencies /Firms for supplying Chemicals/consumables under the above-mentioned Research Project. Please quote your lowest rate in the name of "Dr. Ashwini Kumar Nigam (P.I.), CSTUP project-Code-5168, Department of Zoology, Udai Pratap College, Varanasi - 221002." Sealed envelope should be superscribed with the reference number as above.

The list of chemicals/consumables to be considered for providing quotations is attached herewith.

Last date for the receipt of the quotations is 11.03.2026.

Dr. A.K. Nigam
(Principal Investigator)
Dr. Ashwini Kumar Nigam
Principal Investigator
CSTUP Project ID - 5168
Department of Zoology
U.P. College (Autonomous)
Varanasi

Principal
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Encl.: as above

List of Chemicals/Consumables to be considered for providing quotations

S/N	Items	Company/Make
Chemicals/reagents		
1.	1,5-Bis(4-allyldimethylammoniumphenyl)pentan-3-one dibromide (BW 284C51)	Sigma only (Cat # A9013-25MG)
2.	1-Chloro-2,4-dinitrobenzene (CDNB) (Extrapure)	SRL/Himedia/Merck/Loba
3.	2-Thiobarbituric Acid (TBA) extrapure AR, 99%	SRL/Himedia/Merck/Loba
4.	Acetone (Spectroscopy/HPLC grade)	SRL/Himedia/Merck only
5.	Acetone AR grade	SRL/Himedia/Merck only
6.	Acetonitrile (for HPLC & UV Spectroscopy, 99.9%)	SRL/Himedia/Merck only
7.	Amicon® Ultra Centrifugal Filter, 10 kDa MWCO (4 ml) (8 pkg)	Sigma only (Cat# UFC801008)
8.	Amicon® Ultra Centrifugal Filter, 10 kDa MWCO (0.5 ml) (8 pkg)	Sigma only (Cat# UFC801008)
9.	Amicon® Ultra Centrifugal Filter, 3 kDa MWCO (4 ml) (8 pkg)	Sigma only (Cat# UFC800308)
10.	Amicon® Ultra Centrifugal Filter, 30 kDa MWCO (4 ml) (24 pkg)	Sigma only (Cat# UFC501024)
11.	Ammonia solution	SRL/Himedia/Merck only
12.	Ammonium Bicarbonate AR grade	SRL/HiMedia/Any other
13.	Ammonium sulphate AR grade	SRL/HiMedia/Any other
14.	Azocasein	Sigma-Aldrich (Cat # A2765)
15.	Carboxymethyl cellulose cation exchanger	Any
16.	CHAPS (99.9% pure MB grade)	SRL/Himedia/Merck only
17.	Citric acid extrapure AR, 99%	SRL/Himedia/Merck/Loba
18.	D-Glucose-6-Phosphate Disodium Salt Dihydrate	SRL (Cat # 32994)
19.	Dimethylsulphoxide (DMSO)	SRL/Himedia/Merck only
20.	Eserine sulphate or eserine salicylate	SRL/HiMedia/Any other
21.	Ethyl Alcohol	Any
22.	Fast Red TR Salt 1,5-naphthalenedisulfonate salt	Sigma-Aldrich (Cat # F6760)-1 g
23.	Ferric Chloride (AR/Extrapure)	SRL/Himedia/Merck/Loba
24.	Freund's Adjuvant, Complete (CFA)	Sigma only (Cat# F5881-10ML)
25.	Freund's Adjuvant, Incomplete	Sigma only (Cat# F5506-10ML)
26.	Gelatin Type A	Himedia (Cat # MB169) Sigma (Cat # G1890)
27.	Glutathione Reduced (GSH) extrapure, 98%	SRL/Himedia/Merck

Handwritten signature and date: 23.2.26


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28.	Glutathione Reductase from baker's yeast	Sigma only (Cat# G3664-100UN)
29.	Gold(III) chloride trihydrate ($\text{HAuCl}_4 \cdot 3\text{H}_2\text{O}$) 99% pure	Sigma only (Cat # 520918-1G)
30.	Griess Reagent	SRL/Himedia/Merck/Loba
31.	Guaiacol (99.9% pure MB grade)	SRL/Himedia/Merck/Loba
32.	Hydrogen peroxide solution (Extrapure)	SRL/Himedia/Merck only
33.	Hydroxylamine hydrochloride (Exiplus Extrapure)	SRL/Himedia/Merck/Loba
34.	Iodoacetamide (Bio Ultrapure)	Sigma only (Cat # I1149-5G)
35.	L-Methionine (99.9 %, Extrapure)	SRL/Himedia/Merck/Loba
36.	Lithium Lactate (extrapure, 99%)	SRL/Himedia/Merck/
37.	Magnesium chloride AR grade	SRL/HiMedia/Any other
38.	Methanol AR grade	SRL/HiMedia/Any other
39.	<i>Micrococcus lysodeikticus</i> cells ATCC No. 4698	Sigma-Aldrich (Cat # M3770)-5 g
40.	N,N -Methylenebisacrylamide	Sigma only (Cat # M7279-25G)
41.	N,N,N,N-Tetramethyl Ethylenediamine (TEMED) for molecular biology, 99.5%	SRL/Himedia/Merck only
42.	NAD ⁺	SRL/Himedia/Merck only
43.	NADH	SRL/Himedia/Merck only
44.	N-Ethylmaleimide (NEM)	SRL/Himedia/Merck
45.	Nicotinamide Adenine Dinucleotide Phosphate Solution (NADP ⁺)	Sigma/SRL/Himedia/Merck
46.	Nicotinamide Adenine Dinucleotide Phosphate, Reduced Form (NADPH)	Sigma/SRL/Himedia/Merck
47.	Nitric Acid AR grade	SRL/Himedia/Merck/Loba
48.	Nitroblue Tetrazolium salt (NBT) AR grade	SRL/Himedia/Merck
49.	Phenazine methosulphate (PMS) Extrapure	SRL/Himedia/Merck
50.	Phenazonium Methosulphate (PMS) extrapure, 99%	SRL/Himedia/Merck only
51.	Phenol AR grade	SRL/Himedia/Merck only
52.	Phenylmethyl Sulphonyl Fluoride (PMSF) for molecular biology, 99%	SRL/Himedia/Merck only
53.	Potassium ferricyanide extrapure AR, 99%	SRL/Himedia/Merck/Loba
54.	Pre-coloured Protein marker for SDS-PAGE	Any
55.	Riboflavin extrapure AR, 99%	SRL/Himedia/Merck only
56.	SGOT Assay Kit	Any
57.	SGPT Assay Kit	Any
58.	Silver Nitrate extrapure AR grade	SRL/Himedia/Merck
59.	Sodium Azide	SRL/Himedia/Merck

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60.	Sodium Pyruvate extrapure AR, 99%	SRL/Himedia/Merck only
61.	Sodium Succinate Hexahydrate Dibasic extrapure AR, 99%	SRL/Himedia/Merck only
62.	Thiourea (99.9% pure AR grade)	SRL/Himedia/Merck only
63.	Tricaine methanesulfonate (MS222) (Cat # E10521)	Sigma/SRL/Himedia/Merck
64.	Trichloroacetic acid (extrapure grade)	SRL/Himedia/Merck/Loba
65.	Triclosan [97.0-103.0% (active substance, GC)]	Sigma only (Cat # 72779-5G-F)
66.	Trifluoroacetic acid (TFA) (Extra pure grade)	SRL/Himedia/Merck only
67.	Tris Buffer AR, ACS for molecular biology, 99.9%	SRL/Himedia/Merck
68.	Trypsin Proteomic grade	Sigma only (Cat # T6567-20UG)
69.	Tween 20 (99.9% pure MB grade)	SRL/any
70.	L-Tyrosine	SRL/Himedia/Merck/Loba
71.	Urea Extra pure	SRL/Himedia/Merck/Loba

A.K. Nigam
23.02.2026

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