

OmniPreserve

Molecular Preservation Solution

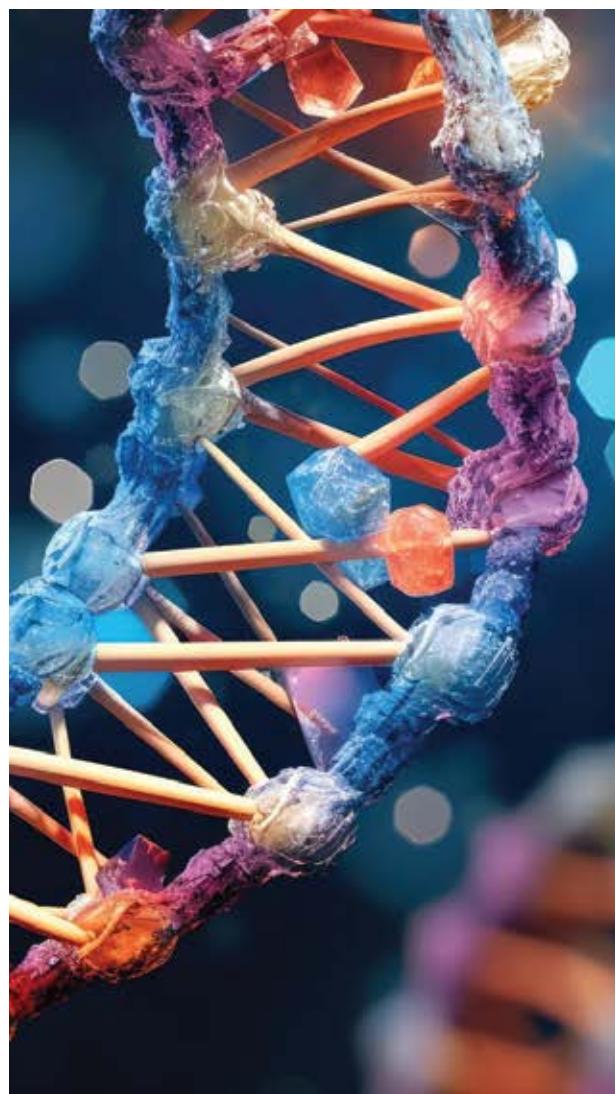


Preserve DNA, RNA, cfDNA, Proteins & more in diverse Biological Samples - without Freezing

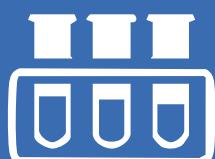
Indian biobanks store over 2.5 million samples, highlighting the need for efficient preservation methods (BioHubb, 2025). **OmniPreserve by Uncoded** addresses the limitations of traditional techniques like freezing and toxic fixatives, which increase costs, reduce molecular quality, and pose safety hazards.

Smaller laboratories face additional hurdles with limited infrastructure, heavy reliance on cold chains, and conventional storage practices. OmniPreserve is purpose-built to resolve these challenges with a streamlined, economical, and eco-conscious solution for biospecimen storage. Available in multiple volumes, the product line offers specialized formulations for stabilizing DNA, RNA, proteins, tissues, cells, microbiomes. Each product is optimized for specific biomolecules and supports workflows in genomics, transcriptomics, proteomics, and histopathology.

By eliminating cold-chain dependence, it reduces operational costs while enhancing accessibility and sustainability. Its ambient-temperature stability makes it especially valuable for mobile health units, remote regions, and low-resource settings. More than a preservation medium, it represents a step toward a safer, sustainable, and decentralized future for biobanking and global health research.



Types of Samples Supported



Microbial Cultures



Liquid Samples
(Blood, Saliva, Urine, Stool)



Solid Tissues
(Biopsy, Tumor)



Swab Samples
(Buccal, Cervical, Nasopharyngeal, Throat, Rectal)



Plant (Tissue, Leaves, Roots, Soil)

OmniPreserve Product Range



DNA Preservation Solutions

Designed for high-quality DNA stabilization from a variety of sources including Blood, Saliva, Urine, Stool, Buccal swabs, Tissue, and Hair follicles. Enables reliable extraction for downstream applications such as PCR, Real-time PCR, genotyping, and NGS.



RNA Stabilization Kits

Optimized to protect the fragile nature of RNA molecules. Supports transcriptomics research by preserving RNA integrity from Blood, Saliva, Urine, Stool, Tissue, and Hair samples without immediate processing.



Protein & Enzyme Preservation

Preserves total proteins from biological samples, ensuring compatibility with proteomics techniques such as SDS-PAGE, ELISA, Western blotting, and other immunological assays.



Formalin-Free Fixative

A non-toxic, safe alternative to formalin for tissue preservation in histopathology and medical education. Maintains tissue morphology for H&E staining, IHC, and IF while reducing hazards for users and the environment.



Veterinary Sample Preservation

Specialized kits for preserving DNA, RNA, and proteins from animal samples (Saliva, Blood, Urine, Stool, Cervical swabs, Tissues). Useful for veterinary livestock genetics, and wildlife research.



Agri & Microbiome Solutions

Tailored preservation for plant tissues, soil samples, and microbial cultures. Supports agricultural biotechnology, soil microbiome studies, and microbial diversity research with reliable extraction compatibility.



cfDNA Preservation Solution

Ensure stability of circulating free DNA for liquid biopsy and cancer research applications.

Key Features

● Multi-Molecular Stability

Effectively preserves DNA, RNA, proteins, and tissue morphology.

● Ambient -Temperature Storage

Enables ambient storage eliminating the need for cold chain logistics.

● Extraction-Ready

Fully compatible with workflows such as NGS, PCR, RT-PCR, genotyping, SDS-PAGE, H&E, IHC, ELISA, and more.

● Histopathology

Preserves tissue for H&E staining, immunohistochemistry (IHC), and immunofluorescence (IF).

● Cost-Effective

Minimizes storage and shipping expenses by removing the need for freezers or dry ice.

● Long-Term Sample Integrity

Enables reliable preservation of biological material for more than 60 months (Vary kit to kit) at 15–25 °C.

● Field Research

Ideal for use in mobile labs, disaster response units, and rural health camps.

● Formalin-Free & Non-Toxic

Developed with green chemistry to reduce toxic exposure and support sustainable practices.

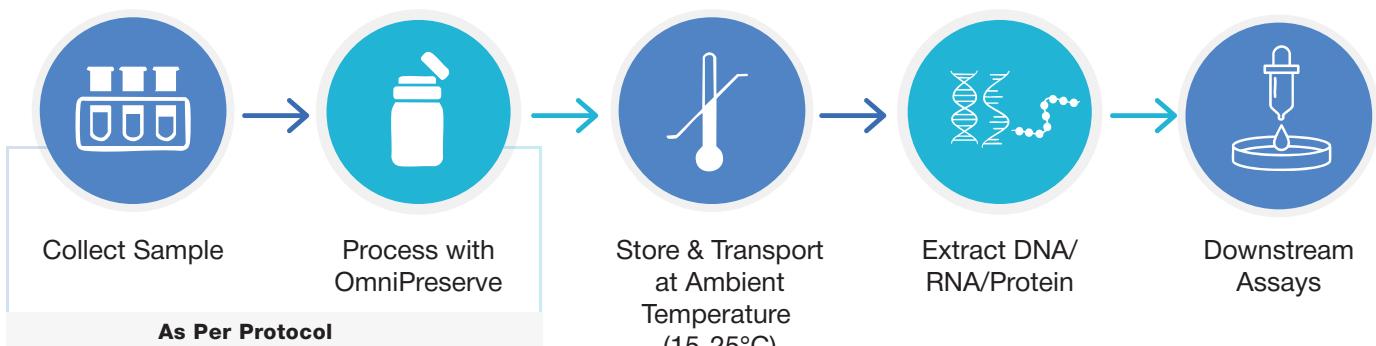
● Forensic Research

Enables secure, stable sample preservation in field investigations.

● Biobank-Ready

Supports the creation of sustainable, ambient-compatible biobanks and repositories.

Workflow



Ordering Information

Product Name	Pack Size	Catalogue No.
Blood DNA Tube	25	1061002
Blood RNA Tube	25	1062002
Microsafe Transport Tube	25	1256002
cfDNA Blood Collection Tube	25	1051002

More Coming Soon

Category	Product Name	Pack Size	Catalogue No.
DNA APPLICATIONS	Saliva DNA Collection Kit	25	1091005
	Urine DNA Collection Kit	25	1103010
	Stool DNA Collection Kit	25	1111010
	Buccal DNA Swab Kit	25	1121002
	Nasopharyngeal Viral DNA Swab Kit	25	1131002
	Throat DNA Swab Kit	25	1391002
	Tissue DNA Kit	25	1141005
	Hair Follicle DNA Collection Kit	25	1151002
	Rectal DNA Swab Kit	25	1161002
	Vaginal & Cervical Swab Kit	25	1171002
	Total Blood Preservation Tube for Biobanking	25	1071005
	Stool Microbiome Kit	25	1401005
	Fecal Occult Blood Test Kit	25	1181005

RNA APPLICATIONS	Saliva RNA Collection Kit	25	1092002
	Urine RNA Collection Kit	25	1102002
	Stool RNA Collection Kit	25	1112002
	Rectal RNA Swab Kit	25	1162002
	Tissue RNA Kit	25	1142005
	Hair RNA Collection Kit	25	1152002
PROTEIN APPLICATIONS	Blood Total Protein Tube	25	1064005
	Saliva Total Protein Tube	25	1094005
	Urine Protein Collection Kit	25	1104005
	Stool Protein Analysis Kit	25	1114005
	Tissue Total Protein Kit	25	1144005
	Fecal Immunochemical Test Kit	25	1414005
FORMALIN REPLACEMENT	Formalin-Free Tissue Fixative-30 ml	As Requested	1205030
	Formalin-Free Tissue Fixative-60 ml	As Requested	1205060
	Formalin-Free Tissue Fixative-90 ml	As Requested	1205090
	Formalin-Free Tissue Fixative-120 ml	As Requested	1205120
VETERINARY APPLICATIONS	VetSaliva DNA Tube	25	1261005
	VetBlood DNA Tube	25	1271005
	VetUrine DNA Tube	25	1281030
	VetStool DNA Tube	25	1291010
	VetCervical DNA Tube	25	1301002
	VetTissue DNA Tube	25	1311005
	VetSaliva RNA Tube	25	1262002
	VetBlood RNA Tube	25	1272002
	VetUrine RNA Tube	25	1282002
	VetStool RNA Tube	25	1292002
	VetCervical RNA Tube	25	1302002
	VetTissue RNA Tube	25	1312002
	VetSaliva Protein Tube	25	1264002
	VetBlood Protein Tube	25	1274005
	VetUrine Protein Tube	25	1284005
	VetStool Protein Tube	25	1294005
	VetCervical Protein Tube	25	1304005
	VetTissue Protein Tube	25	1314005
	VetTissue Histo Tube-120 ml	As Requested	1325120
AGRI/ MICROBIO APPLICATION	Plant DNA Tube	25	1331005
	Plant RNA Tube	25	1332002
	Plant Protein Tube	25	1334005
	Soil DNA Tube	25	1341005
	Michel's Reagent Alternative	25	1235050
HUMAN CELL LINE	Cellsafe Tube	25	1246002



R&D & MANUFACTURING FACILITY

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