



High-Quality Biological Buffers & Specialized IVD Raw Material Solutions

NAGASE Group offers a comprehensive portfolio of high-purity biological buffers and specialized IVD raw materials from leading manufacturers with extensive production capacity. By leveraging large-scale production and advanced technology, we provide premium products to top-tier global diagnostic and pharmaceutical leaders.



Core Strategic Advantages

Massive Scale: Over 30 biological buffers to choose from, with exceptional annual capacity for core products like Tris ensuring stable global supply.

Premium Quality: GMP-compliant manufacturing suitable for pharmaceutical-grade excipients.

Innovative Technology: 100% owned IP and unique 100-ton continuous flow production for HEPES.

Global Compliance: Fully registered with FDA DMF, REACH (EU/UK/KR), and CDE/CMDE.



Featured Biological Buffers (Good's Buffers)

Product	Main Applications	Core Advantages & Specifications
Tris / Tris HCl	An essential biological buffer extensively used in biochemistry, molecular biology, and IVD reagent formulations.	• Supplied from our manufacturing partner's massive annual production scale, ensuring stable global procurement. • Up to 8 diagnostic standard grades are available to choose from, with custom formulations supported. • Offers excellent cost optimization for high-volume users.
HEPES	A zwitterionic buffering agent widely utilized in cell culture, protein studies, and high-sensitivity diagnostic assays.	• Features a highly stable crystalline form for easy handling. • Provides ultra-high purity grades of ≥99.5%. • Strictly controlled for low endotoxin levels and minimal microbial content. • Conforms to global compliance with REACH, CDE, and CMDE registrations.
MOPS / MOPS Na	Broadly applied in biochemical diagnostic kits, DNA/RNA extraction, PCR, cell culture, and electrophoresis.	• High purity of ≥99% with exceptional lot-to-lot consistency (minimal batch-to-batch variation). • The "Na" (Sodium) form dissolves significantly faster in water than standard MOPS acid, reducing valuable preparation time in the lab. • Conforms to global registrations including REACH, K-REACH, CDE, and CMDE.
Bis-Tris	A zwitterionic buffer ideal for slightly acidic reaction environments.	Less sensitive to temperature fluctuations compared to Tris, ensuring high pH stability.

Specialized Molecular & Diagnostic Raw Materials

DTT (Dithiothreitol):

A powerful reducing agent that stabilizes enzyme activity. Our partner is the first and only manufacturer in China, holds the leading market position.

Guanidine Hydrochloride & Thiocyanate:

- Application:

Protein denaturants essential for nucleic acid extraction.

- Advantages:

High-purity of 99%, Massive Production Capacity of 2000MT ; can meet the high standard of USP (United States Pharmacopoeia)

EGTA:

A highly selective chelating agent for calcium ions that stabilizes sensitive enzymatic reactions by removing calcium-dependent interference without affecting magnesium.

Luminescent Substrates (CLIA):

We provide the third-generation novel luminescent substrate (APS-5), as well as NSP-DMAE-NHS and NSP-SA-NHS for high-sensitivity assays.



Primary Product List

Category	Key Items
Biological Buffers	Tris, Tris HCl, HEPES, MOPS, MOPS Na, MES, Bis-Tris, Bis-Tris Propane, CHAPS
PCR / Molecular Biology	DTT, Guanidine HCl, Guanidine Thiocyanate, TCEP-HCl, IPTG, PMSF
Biochemistry & ELISA	EGTA, MTT, TMB
Chemiluminescence (CLIA)	APS-5, NSP-DMAE-NHS, NSP-SA-NHS

For detailed clinical performance reports, Technical Data Sheets (TDS), or sample requests, please contact us.

