

PRODUCT DATA SHEET

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HEPES Buffer (500mM) Endotoxin-free (sterile)

Cat. No.: IAX-900-007

Lot. No.:

Synonyms	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid Buffer (500mM)
Formulation	1.5ml (LD15), 10ml (L010) or 100ml (L100) HEPES [4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid] Buffer (500mM) in sterile filtered double-distilled water (ddWater), without any additives
Endotoxin-free	Bacterial Endotoxin Test (kinetic turbidimetric LAL method) according to Ph. Eur. 9. Passed according to specification: Endotoxin-free: <0.0002 [EU/mg] / <0.2 [EU/ml].
Sterility	Filter method: according to Ph. Eur. 9. Passed according to specification: <ul style="list-style-type: none"> • No growth in Thioglycolate medium at 30-35°C after 14 days. • No growth in Soybean Casein Digest Broth (TSB) at 20-25°C after 14 days.
pH Value	7.2-7.6
Composition	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid: 500mM in ddWater
Application	HEPES Buffer (500mM) Endotoxin-free (sterile) is used for preparing other laboratory reagents (e.g. for the solubilisation, elution and storage buffer for proteins, cells and tissue). Dilute with sterile endotoxin-free Water (IAX-900-002).
Handling	Keep sterile. Ready-to-use, sterile stock solution.
Shipping	Ambient
Storage	2-8°C
Stability	<ul style="list-style-type: none"> • Upon receipt, store product at 2-8°C. • Do not freeze. In its unopened original vial, the product is stable for at least 24 months when stored at 2-8°C. Once the vial is opened, or if aliquoted into sterile vials under sterile conditions, the product remains stable for an additional 12 months at 2-8°C.
MSDS	Available on request

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DISCLAIMER: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING MAY BE EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH. THIS PRODUCT IS FOR RESEARCH USE ONLY (RUO).

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, inhale or get into the blood stream. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Access to this material must be restricted to personnel, who is appropriately experienced, qualified, competent and properly trained to use it. Material Safety Data Sheet is available upon request.



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Endotoxin-free and Sterile Buffers and Related Products

IAX-900-001	PBS Endotoxin-free (sterile)
IAX-900-001DC	PBS Endotoxin-free (sterile) [For Nano-formulated Drug Analysis]
IAX-900-002	ddWater Endotoxin-free (sterile)
IAX-900-002DC	ddWater Endotoxin-free (sterile) [For Nano-formulated Drug Analysis]
IAX-900-003	Physiological Saline [Sodium Chloride 0.9% Endotoxin-free] (sterile)
IAX-900-003DC	Physiological Saline [Sodium Chloride 0.9% Endotoxin-free] (sterile) [For Nano-formulated Drug Analysis]
IAX-900-004	PBS with EDTA Endotoxin-free (sterile)
IAX-900-005	TRIS with EDTA [TE Buffer] (100x) Endotoxin-free (sterile)
IAX-900-006	EDTA (400mM) Endotoxin-free (sterile)
IAX-900-007	HEPES Buffer (500mM) Endotoxin-free (sterile)
IAX-900-008	DNA Loading Buffer with TRIS and EDTA (6x) (Blue)
IAX-900-009	HEPES Buffer (50mM) with NaCl [Sodium Chloride] (150mM) Endotoxin-free (sterile)
IAX-900-010	NaCl [Sodium Chloride] (1.5M) Endotoxin-free (sterile)
IAX-900-011	TRIS Buffer (1.5M) Endotoxin-free (sterile)
IAX-900-012	TRIS Buffer (30mM) with NaCl [Sodium Chloride] (150mM) Endotoxin-free (sterile)
IAX-900-013	PBS with Magnesium and Calcium Endotoxin-free (sterile)
IAX-900-014	ddWater with 0.9% Benzyl Alcohol [Bacteriostatic Water] Endotoxin-free (sterile)

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