

Product Specification and Description Sheet

Product name	0,5% 5-Bromo-5-nitro-1,3-dioxane in pure demineralized water >18 MΩ, 0.2-µm filtered
Code	# BND-W
Lot#	997248
Storage:	+10°C to +25°C
Expiration date:	12/2008+
Activity	very strong antimicrobial preservative highly effective against bacteria, yeast and fungi
Recommended concentrations	0,02-0,03% (simple salt buffers) – to -0,05% (buffers containing low to moderate concentrations of proteins, sugars or detergents) – to -0,1-0,12% (products containing high protein concentrations, liquid proteinconcentrates, ready-to-use IVD reagents)
pH	5,0-6,0 in pure water has no detectable influence on pH does not alter pH in buffers through 3,5-9,5
Applicable pH range	3,5 – 9,5
Compatibility and Interferences	compatible with most common liquid diagnostic formulations; does not interfere diagnostic formulations; does not interfere with antigen-antibody reactions, most enzyme assays, immunoassays, immunosensors, restriction enzymes, PCR, electrophoresis, nucleic acid and protein purification protocols.

	interferes with cysteine and other free thiol reagents
Restrictions	not stable at temperatures >45°C slightly corrosive to metals strong reducing agents may lower biocide potential
Safety/Toxicity	harmless at recommended concentrations; not carcinogenic or mutagenic (Ames-test neg.)