

NorthernMax® 10X Denaturing Gel Buffer

Store at 4°C.

Catalog #:	AM8676
Volume:	250 mL
Product Description:	10X gel preparative buffer for use with the Ambion® NorthernMax® system.
Appearance:	Clear solution
Storage Conditions:	Store at 4°C.

USER INFORMATION

General Information:	NorthernMax® 10X Denaturing Gel Buffer is a concentrated formaldehyde-based formula for the preparation of denaturing formaldehyde/MOPS agarose gels.
Applications:	To prepare a denaturing formaldehyde/MOPS 1% gel: <ol style="list-style-type: none">For 100 mL of gel, melt 1 g agarose in 90 mL nuclease-free water. Melt in a microwave or on a hot plate, with frequent agitation, until the agarose is completely in solution. Transfer the solution to a 50–60°C water bath until equilibrated.Under a ventilation hood, add 10 mL of 10X Denaturing Gel Buffer to the equilibrated agarose solution and mix well by swirling.Pour the agarose solution into a gel casting tray in a ventilation hood and allow it to solidify. The gel should be approximately 0.6 cm thick for efficient transfer. Once gel has hardened, proceed with electrophoresis in 1X MOPS buffer (e.g., prepared from Ambion® NorthernMax® 10X Running Buffer; Cat #AM8671).

QUALITY CONTROL

Nonspecific Endonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 300 ng supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.
Exonuclease Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 40 ng ³² P-labeled <i>Sau3A</i> fragments of pUC19 and analyzed by PAGE.
RNase Activity:	Meets or exceeds specification when a sample is incubated for 14–16 hr with 25 ng ³² P-labeled RNA and analyzed by PAGE.
Functional Testing:	NorthernMax® Denaturing Gel Buffer is functionally tested using the Ambion® NorthernMax® Kit (Cat #AM1940).

OTHER INFORMATION

Material Safety Data Sheets:	Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds . Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com . Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)
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