

NorthernMax®-Gly 10X Gel Prep/Running Buffer

Store at 4°C.

Catalog #:	AM8678
Volume:	1 L
Product Description:	10X gel preparative and running buffer for use with the Ambion® NorthernMax®-Gly System.
Appearance:	Clear solution
Storage Conditions:	Store at 4°C.

USER INFORMATION

General Information: NorthernMax®-Gly 10X Gel Prep/Running Buffer is used as a preparative and running buffer for the resolution of glyoxylated RNA on agarose gels for Northern blots. Use in conjunction with Ambion® Glyoxal Sample Loading Buffer (Cat #AM8551) to give improved resolution of RNA compared with standard glyoxal or formaldehyde systems.

Applications: **To prepare a 1% agarose gel**

1. For 100 mL of gel, melt 1 g agarose in 90 mL nuclease-free water and 10 mL 10X Gel Prep/Running Buffer. Melt in a microwave oven 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.
2. Pour the agarose solution into a gel casting tray and allow it to solidify. The gel should be approximately 0.6 cm thick for efficient transfer. Once the gel has hardened, proceed with electrophoresis in 1X Gel Prep/Running Buffer.

To make 1 L of 1X Gel Prep/Running Buffer, fill a graduated cylinder or beaker with 900 mL nuclease-free water and place a magnetic stirrer into the container. Place the container on a stir plate and add 100 mL of 10X Gel Prep/Running Buffer to the mixing water.

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:	The gel prep/running buffer is functionally tested using the Ambion NorthernMax-Gly Kit (Cat #AM1946).

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.)

Warranty and Liability: *For research use only. Not for use in diagnostic procedures.*

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