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## Product Information

### Sodium hydroxide solution Cell Culture Tested

Product Number **S 2770**  
Store at Room Temperature

#### Product Description

CAS Number: 1310-73-2 (solid form)  
Synonyms: caustic soda, soda lye<sup>1</sup>

This product is a 1.0 N solution. It has been cell culture tested and is appropriate for use in cell culture applications.

Sodium hydroxide (NaOH) is a caustic reagent that is widely used to neutralize acids and prepare sodium salts of reagents.<sup>1</sup> It is also used in a variety of large-scale applications, such as pulp and paper manufacturing, the manufacture of soap and detergents, and water treatment.

Sodium hydroxide is utilized in the Maxam-Gilbert DNA sequencing technique.<sup>2,3</sup> An RNA gel blot procedure that uses 50 mM NaOH for simultaneous transfer and fixing of RNA to a positively charged nylon membrane has been described.<sup>4</sup> The decontamination of mycobacterial isolates using a sodium lauryl sulfate (SDS)/sodium hydroxide protocol has been reported.<sup>5</sup>

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### References

1. The Merck Index, 12th ed., Entry# 8772.
2. Maxam, A. M., and Gilbert, W., Sequencing end-labeled DNA with base-specific chemical cleavages. *Methods Enzymol.*, **65(1)**, 499-560 (1980).
3. *Molecular Cloning: A Laboratory Manual*, 3rd ed., Sambrook, J., and Russell, D.W., CSHL Press (Cold Spring Harbor, NY: 2001), pp. 12.60-12.65, 12.70-12.71.
4. Ingelbrecht, I. L., et al., Highly sensitive northern hybridization using a rapid protocol for downward alkaline blotting of RNA. *Biotechniques*, **25(3)**, 420-423, 425-426 (1998).
5. Carricajo, A., et al., Evaluation of BacT/Alert 3D liquid culture system for recovery of mycobacteria from clinical specimens using sodium dodecyl (lauryl) sulfate-NaOH decontamination. *J. Clin. Microbiol.*, **39(10)**, 3799-3800 (2001).

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