

**Sodium Bicarbonate 7.5% (w/v)**

<b>Catalog #:</b>	118-085-721	10 x 100mL
	116-085-721EA	100mL
<b>Store at:</b>	15°C to 30°C	
<b>Shipped at:</b>	ambient temperature	

**Description**

Quality Biological's (QBI) Sodium Bicarbonate 7.5%<sup>1</sup> is prepared from ACS Grade Sodium Bicarbonate (NaHCO<sub>3</sub>) using Quality Biological's Cell Culture Grade Water. The final product is sterile filtered through a 0.1µm filter.

**Applications**

Grade Sodium Bicarbonate (NaHCO<sub>3</sub>) is typically used in cell culture media as a buffer. Although NaHCO<sub>3</sub> does not have the buffering capacity of HEPES, it is occasionally preferred over HEPES because of both its lower toxicity and nutritional value to cells in culture.

**Directions**

Dilute Sodium Bicarbonate 7.5% in the appropriate cell culture medium. Typically, Sodium Bicarbonate is diluted to a final concentration of 5 - 15mM.

**Reference**

1. Freshney, R.I. (1994) *Culture of Animal Cells: A Manual of Basic Technique*, 3<sup>rd</sup> Ed., Wiley-Liss, John Wiley & Sons, Inc.

**All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.**

**Quality Control***General*

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

*Product Specific Testing*

Sodium Bicarbonate 7.5% is routinely tested to verify it meets product specifications for the following parameters:

- pH
- Osmolality
- Cytotoxicity
- Microbiology

**Related Products****HEPES Buffer 1, pH 7.3**

Catalog #	118-089-721	4 x 100mL
	118-089-721EA	100mL

**Cell Culture Grade Water, Ultra Pure**

Catalog #	118-162-101	500mL
	118-162-101CS	10 x 500mL
	118-162-131	1000mL
	118-162-131CS	10 x 1000mL
	118-162-151	10 Liters
	118-162-161	20 Liters