

## Sodium Bicarbonate

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### Product Use

Sodium Bicarbonate has been the most commonly used buffer in cell culture media because it is the main *in vitro* / *in vivo* physiological buffer. Media with Hank's Balanced Salt Solution (HBSS) contain a low concentration of Sodium Bicarbonate (350 mg/L) and function best in a closed culture vessel. Media with Earle's Balanced Salt Solution contain a higher concentration of Sodium Bicarbonate (2200 mg/L) and function best in an open vessel, incubated in an atmosphere supplied with 5% CO<sub>2</sub> in air.

### Ordering Information

Catalog number	Description	Size
17-613E	Sodium Bicarbonate Solution 7.5% aqueous solution	100 ml
15-613I	Sodium Bicarbonate Powder	500 g

### Formula

	17-613	15-613
NaHCO <sub>3</sub>	75,000 mg/L	500 g

### Specifications

	Sterility	pH	Moisture
15-613	--	FIO	FIO
17-613	negative	7.5-8.02	--
	Osmolality (mOsm)	Toxicity	Endotoxin (EU/ml)
15-613	FIO	pass	≤ 1.0
17-613	133-177 (at 1:10 dilution)	pass	FIO

### Storage

15-613	2°C to 8°C
17-613	15°C to 30°C

### Product Use Statement

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.