

# Product Information

## Sodium Bicarbonate

7.5% solution

CATALOG NO. 59221C

### Description

Sodium bicarbonate is the most common buffer used in standard cell culture media and reagents. Additionally, most cells require carbonate ions for certain metabolic functions. Dry powder media is not typically manufactured with sodium bicarbonate because it will cause the media to clump over time. During liquid media preparation, sodium bicarbonate can be added as a sterile solution or as a powder prior to filtration.

### Precautions

This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

### Storage

To effectively preserve the integrity of sodium bicarbonate it should be stored at the recommended temperature and protected from light. For stability and optimal performance, this product should be stored at 15 to 30 C. Do not use after the expiration date.

### Indications of Deterioration

Supplement should be clear of particulates and flocculent material. Do not use if supplement is cloudy or contains precipitate. Other evidence of deterioration may include color change as well as degradation of physical or performance characteristics.

### Characteristics

#### Appearance

Clear colorless solution

#### Endotoxin (LAL)

≤ 0.3 EU/mL

#### Osmolality (as supplied)

1380 - 1500 mOsm/kg H<sub>2</sub>O

#### pH

7.0 - 9.0

#### Sterility

No microbial growth detected

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