

Sodium Bicarbonate Solution (7.5%)

Catalog Number **BB 002-01**

Storage Temperature 2~8°C

Product Description

Sodium bicarbonate occurs in nature as the mineral nacholite. It is used in the production of many sodium salts and as a source of carbon dioxide. Bicarbonate is an important agent of pH regulation *in vivo* and the intracellular transport of sodium bicarbonate has been widely investigated. Sodium bicarbonate is used as a buffer in biochemistry, molecular biology, and chromatography.

BB 002-01 contains 75.0 g/L sodium bicarbonate in cell/tissue culture grade water (**LS016-01**).

Storage/Stability

The concentrated HEPES buffer should be stored at 2~8°C. Deterioration of the solution may be recognized by (1) precipitate or particulate matter throughout the solution, (2) cloudy appearance, (3) color change, and/or (4) pH change. Product label bears expiration date.

Precautions

For *In Vitro* Use Only

| | | g/L |
|------------------------------|--|------------------|
| Components | | BB 002-01 |
| Sodium bicarbonate | | 75.0 |
| Product Profile | | |
| Appearance | Clear colorless solution | |
| Molecular Formula | NaHCO ₃ | |
| Molecular Weight | 84.01 | |
| DNase, RNase, and Proteinase | None Detected | |
| Sterility | Sterilized by 0.2 μm filtration system. Sterility tests are performed in accordance with protocols described in USP. | |