

PRODUCT DATA SHEET

Sodium Bicarbonate

Description

Sodium bicarbonate is the most generally used buffer in classical cell culture media and reagents. This buffer improves the pH control of media incubated in a 5-10% CO₂ atmosphere and provides cells with carbonate ions that are necessary for the metabolic functions of most cells. Additionally, sodium bicarbonate is non-toxic to cells in culture. Since most pre-mixed powdered media are manufactured without sodium bicarbonate, this buffer must be added in appropriate concentrations during liquid media preparation either as a sterile solution or as a powder prior to filtration.

Precautions

The Sodium Bicarbonate powder is hazardous. Review the Safety Data Sheet for additional information before handling this product.

Storage and Handling

We recommend that the Sodium Bicarbonate powder be stored at a temperature of 15°C to 30°C, protected from light and moisture.

Shipping

The Sodium Bicarbonate powder is shipped ambient by second day air.

This product is manufactured for research and development purposes only. It is not intended for any human or animal diagnostic, therapeutic or other clinical uses. It is also not for agricultural, food, drug, cosmetic or household use. The use of these products must be supervised by a person technically qualified to handle potentially hazardous material.

Atlanta Biologicals™ Serum and Cell Culture Products are now part of R&D Systems, a Bio-Techne Brand.