

## Technical Data Sheet

12/07/2017

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### Sodium Bicarbonate 7.5%

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Product code:  
LM-S2046

<b><u>Theoretical pH</u></b> :	8.2 ± 0.3
<b><u>Osmolality</u></b> :	1320 mOsm/kg ± 10%
<b><u>Colour</u></b> :	colourless, clear solution
<b><u>Storage conditions</u></b> :	+2°C to +8°C, protected from light
<b><u>Shelf life</u></b> :	24 months
<b><u>Sterility tests</u></b> :	- Bacteria in aerobic and anaerobic conditions - Fungi and yeasts
<b><u>Endotoxin</u></b> :	< 1 EU/ml

### **Recommended use** :

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

### **Utilisation** :

These buffer may be useful in cell culture applications when pH maintenance is critical. Cells vary in sensitivity to these buffer, and may exhibit toxic reactions to them even at recommended working concentration. We recommend

that you consult the literature or test different buffers and at different concentrations to determine the most effective supplement for a particular cell type.

## **Indications of deterioration :**

Buffer solution should be clear and free of particulate and flocculent material. Do not use if buffer solution is cloudy or contains precipitate.

Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.