

**Tyrode's Buffer (Catalog# TBS5065)**  
*Cell Culture Grade Without Phenol red*

**Description**

All media used in tissue culture have a basis of a synthetic mixture of inorganic salts known as a physiological or balanced salt solution (BSS). All the physiological salt solutions have been derived from the salt solution originally described by Sydney Ringer (1885). The first balanced salt solution to be developed specifically for supporting the metabolism of mammalian cells was Tyrode's solution. Since then many modifications have been done to obtain better buffering salt solutions to meet the need for a specific application.

Tribioscience's Tyrode's Buffer is designed for ready-to-use formulation for cell culture and other applications.

**Main Features**

Ready-to-use: Do not need additional dilution or preparation.

Multifunction: Better to maintain the medium within physiological pH range and maintain intracellular and extra cellular osmotic balance. The glucose serves as an energy source for cell metabolism.

**Package Size**

TB5065: 1x 500 mL

**pH:** 7.8 ± 0.2

**Stability and Storage**

It is highly stable for 12 months when stored at 4°C. Shipment in ambient condition.

**Compositions**

Ingredients	mg/L
<b>INORGANIC SALTS</b>	
Calcium chloride	200.0
Magnesium chloride	100.0
Potassium chloride	200.0
Sodium bicarbonate	1000.0
Sodium chloride	8000.0
Sodium dihydrogen phosphate	50.0
<b>OTHERS</b>	
D-Glucose	1000.0

*Note: The customized solutions are available based on the specific needs from the clients.*

**Relative Products**

- PBS-1x (TBS5003)
- 1xDPBS (TBS5035)
- 10x Annexin V Binding Buffer (TBS5060)
- 2xHBS (TBS5076)
- HEPES Buffer Solution (TBS5029)
- BSA Standard solution (TBS5002)
- Protein Assay kit (TBS2005)
- Cell Lysis Buffer(10x) (TBS5001)
- Resazurin Cell Viability Kit (TBS2001)
- LDH Cytotoxicity Assay (TBS2002)
- CCK-8 (TBS2022)

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**Research use only**