

**Catalog**  
TBS8120

**Unit Size**  
500 ml

### Description

Tribio Citrate Phosphate Buffer, commonly known as McIlvaine Buffer, is a widely used buffer system prepared from citric acid and disodium phosphate. It provides excellent buffering capacity in the acidic pH range and is especially suitable for maintaining a stable pH of 4.0 in biochemical, microbiological, and analytical applications.

### Synonyms

Citrate-Phosphate Solution, McIlvaine Buffer, P-C Buffer, Citric acid-phosphate buffer, Citrate-phosphate buffer system, McIlvaine's buffer solution.

### Application

- Enzyme activity studies (especially acid-stable enzymes).
- Protein and nucleic acid research.
- Microbiological culture media preparation.
- Pharmaceutical and food analysis.
- Spectrophotometric and chromatographic assays.
- pH calibration and stability testing.

### Properties

Concentration:	0.1M
pH:	4.0
Form:	Liquid
Sterility:	Sterile filtered
Storage:	Store at 2–8°C

### Main Features

- **Reproducibility:** Reliable and consistent results across experiments.
- **Compatibility:** Suitable for biological and chemical systems.
- **Low Toxicity:** Safe for routine laboratory use.
- **Easy Preparation:** Simple mixing of two stock solutions.

### Relative Products

TBS2005	<a href="#">Protein Assay Kit</a>
TBS5001	<a href="#">Protein Lysis Buffer</a>
TBS5003-0	<a href="#">1xPBS</a>
TBS5011-10	<a href="#">10 x PBST</a>
TBS5008	<a href="#">TBS</a>
TBS5008T	<a href="#">TBST</a>
TBS5037	<a href="#">Urea Solution (8M)</a>
TBS5038	<a href="#">Ammonium Sulfate Solution</a>
TBS5040	<a href="#">0.5M EDTA Solution</a>
TBS5041	<a href="#">MOPS Buffer</a>
TBS5048	<a href="#">2% BSA in PBS</a>
TBS5049-2	<a href="#">2% BSA in TBST</a>
TBS5049-5	<a href="#">5% BSA in TBST</a>
TBS5057	<a href="#">0.1% BSA ELISA Assay Buffer</a>
TBS5077	<a href="#">Antigen retrieval Citrate Solution-pH6.0</a>
TBS8024	<a href="#">MCF10 Cell Complete Medium</a>
TBS8027	<a href="#">EMEM with L-Glutamine</a>
TBS8030	<a href="#">McCoy's 5A Medium</a>
TBS8031	<a href="#">30% BSA Solution in DPBS</a>
TBS8047	<a href="#">MCF-7 Cell Complete Medium</a>
TBS8056	<a href="#">LB Medium</a>
TBS8057	<a href="#">SOB Medium</a>
TBS8058	<a href="#">SOC Medium</a>
TBS8059	<a href="#">2x YT Medium</a>
TBS8060	<a href="#">Terrific Broth (TB) Medium</a>
TBS8061	<a href="#">DMEM-high Glucose Medium</a>

**This product is for research use only.**