

Catalog	Unit Size
TBS8113-8.5	500 ml
TBS8113-9.5	500 ml
TBS8113-10.5	500 ml

Description

Tribio Bicarbonate Buffer provides stable alkaline conditions for laboratory, industrial, and pharmaceutical applications, with multiple pH options (8.5, 9.5, 10.5) to meet diverse user needs. It offers reliable carbonate-based buffering, making it ideal for protein adsorption on polystyrene surfaces, alkaline phosphatase-based enzyme reactions, immunoassay plate blocking and washing, and nucleic acid or protein blotting. Additionally, it maintains a mild alkaline pH of 7.2–7.6 and can serve as a nutrient source, supporting a wide range of biological and pharmaceutical workflows.

Application

- **ELISA & Serology:** Coats plates to immobilize proteins, antibodies, or pathogen antigens.
- **Enzyme Assays:** Provides optimal alkaline conditions for alkaline phosphatase reactions.
- **Protein Labeling:** Supports efficient biotinylating or fluorophore conjugation.
- **Chromatography:** Low-ionic-strength alkaline buffer for anion exchange of proteins (pI < 9.5).

Main Features

- Ready-to-use 1 M aqueous solution.
- Provides reliable buffering capacity in physiological pH range.
- Suitable for laboratories and industrial processes.

Procedure

1. Add the required volume of 1 M sodium bicarbonate buffer solution to the system.
2. Monitor pH using a calibrated pH meter.
3. Adjust with acid or base if fine pH tuning is required.

Package Size

Catalog	Unit Size	pH
TBS8113-8.5	500 ml	pH = 8.5
TBS8113-9.5	500 ml	pH = 9.5
TBS8113-10.5	500 ml	pH = 10.5

Storage

Storage at room temperature.

Relative Products

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

This product is for research use only.