

**Catalog**  
TBS5102-1  
TBS5102-10

**Unit Size**  
1 Pouch  
10 Pouch

## DESCRIPTION

Tribio 0.1 M Sodium Bicarbonate, Sodium Carbonate Buffer is a powdered buffer blend designed for the preparation of carbonate-bicarbonate buffer at pH 9.6. It is commonly used as a coating buffer for immobilization of proteins, antigens, and antibodies onto polystyrene microplates in ELISA and other immunoassays.

## APPLICATION

Suitable for:

- Coating ELISA and other immunoassay microplates
- Dilution of antigens or antibodies prior to plate coating
- Protein immobilization on polystyrene surfaces
- General laboratory applications requiring an alkaline carbonate-bicarbonate buffer

## PROPERTIES

|                |                                         |
|----------------|-----------------------------------------|
| Concentration: | 0.1 M after reconstitution              |
| pH:            | 9.6 ± 0.2 after reconstitution          |
| Form:          | Powder                                  |
| Composition:   | Sodium bicarbonate and sodium carbonate |
| Storage:       | Store at room temperature               |

## PROCEDURE

1. Add the contents of one pouch to an appropriate volume of purified or deionized water.
2. Mix thoroughly until the powder is completely dissolved.
3. Bring to the specified final volume with purified or deionized water.
4. Verify the pH if required.
5. Use the prepared buffer for dilution and coating of antigens or antibodies according to the applicable immunoassay protocol.

For ELISA coating, dilute the antigen or antibody to the desired concentration in the prepared carbonate-bicarbonate buffer, add to the microplate wells, and incubate according to the assay protocol.

## 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.**