

**Catalog**  
TBS8118-50

**Unit Size**  
50 ml

### Description

Tribio Citrate-Phosphate-Dextrose-Adenine (CPDA) solution is an anticoagulant and preservative designed for the collection, storage, and transfusion of whole blood and red blood cells. It prevents coagulation, maintains red blood cell and platelet viability, and supports cellular metabolism by preserving glucose and ATP levels. CPDA prolongs the storage life of red blood cells and improves post-transfusion performance.

### Application

- Preservation of whole blood for transfusion.
- Storage of red blood cells.
- Routine blood banking and laboratory use.

### Properties

pH:	5.4-6.7
Form:	Liquid
Sterility:	Sterile filtered
Storage:	Store at 2-8°C

### Main Features

- Prevents coagulation by chelating calcium (citrate)
- Maintains pH stability (phosphate buffer).
- Provides energy to red blood cells (dextrose).
- Supports ATP synthesis and prolongs red cell viability (adenine).
- Enables storage of whole blood.

### Procedure

- Collect whole blood under aseptic conditions into CPDA solution.
- Mix gently to ensure uniform distribution of anticoagulants.
- Store the blood at 1–6°C immediately after collection.
- Before transfusion, inspect for hemolysis or discoloration.
- Use the blood within the validated storage period (typically 35 days).

### 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.**