

INTENDED USE

Item	Concentration	For Use In
Sodium Citrate C/N 100994	0.11 M	Routinely used to Anticoagulate whole blood specimens from human and non-human species for hemostasis testing.
Calcium Chloride C/N 100989	0.025 M	Intended for use in conjunction with other IVD reagents in the performance of coagulation and other laboratory tests.
Tris Buffered Saline C/N 100991	0.06 M	Routinely used for the reconstitution and dilution of reagents and samples tested for platelet aggregation, ristocetin cofactor activity assays or other laboratory studies.

PRECAUTIONS

Sodium Citrate is for Professional Laboratory Use Only. Sodium Citrate is not sterile. Sodium Citrate is for In Vitro Diagnostic Use Only and not intended for ingestion or injection.



Calcium Chloride is for Professional Laboratory Use Only. Calcium Chloride is for In Vitro Diagnostic Use Only. Calcium Chloride is not sterile and not intended for injection or ingestion. Calcium Chloride contains 0.01% Sodium Azide as a preservative.



TRIS Buffered Saline is for Professional Laboratory Use Only. TRIS Buffered Saline is for In Vitro Diagnostic Use Only. TRIS Buffered Saline is not sterile and not intended for ingestion or injection. TRIS Buffered Saline contains 0.01% Sodium Azide as a preservative.

METHODOLOGY

Sodium Citrate: May be used for anticoagulating blood specimens for coagulation or platelet function studies. Replacing 3.8% and 3.2% weight to volume preparations, Sodium Citrate is formulated at 0.11M as recommended by the International Committee of Thrombosis and Hemostasis, Subcommittee on Platelets.⁶ The ratio of whole blood to sodium citrate is 9 to 1.²⁻⁵

Calcium Chloride: May be used in PTs, APTTs, factor assays and plasma recalcification (plasma clotting) times.^{1,2}

Tris Buffered Saline: May be used in studies, including von Willebrand Factor (Ristocetin Cofactor) assays, and platelet neutralization procedure testing.

REAGENT PREPARATION

Reagents may be used without additional preparation. However, a working amount of reagent should be transferred to a clean, dry container to prevent contamination of the stock solution.

REAGENT STORAGE

Reagents must be stored, tightly capped, in their original container at 2° - 8° C, after opening.

PERFORMANCE CHARACTERISTICS

These reagents have been formulated to enhance the results of coagulation and certain platelet aggregation studies.

PROCEDURE

Refer to the INTENDED USE and REFERENCES section of this insert and your laboratory procedures for individual applications.

LIMITATIONS

Each reagent, except Sodium Citrate, contains 0.01% sodium azide as a preservative. All reagents must be properly stored to prevent deterioration and contamination. Reagents should not be used if cloudy or discolored.

NOTE: *Standard laboratory practices for sodium azide use and disposal must be observed.*

REFERENCES

1. Operation and Methods Manual for the Microsample Coagulation Analyzer, MCA 110. BIO/DATA CORPORATION, Horsham, PA. 1989.
2. Lynch, M. J., et. al.: Medical Laboratory Technology and Clinical Pathology, 2nd Ed. W.B. Saunders and Company, Philadelphia, PA. 1969.
3. Laboratory Manual of Hemostasis, Mayo Clinic. W. B. Saunders and Company, Philadelphia, PA. 1971.
4. Sirridge, M. S.: Laboratory Evaluation of Hemostasis, 2nd Ed. Lea and Febiger, Philadelphia, PA. 1974.
5. Operation and Instruction Manual, Platelet Aggregation Profiler. BIO/DATA CORPORATION, Horsham, PA. 1982.
6. International Committee for Thrombosis and Haemostasis/International Committee for Standardization in Haematology (ICTH/ICSH) Thrombosis Haemostasis 42, 1073-1114, 1979.

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