TriniCLOT™ aPTT S

INTENDED USE

TriniCLOT aPTT S is a test kit for use in the determination of the Activated Partial Thromboplastin Time (APTT) and consists of a phospholipid reagent with particulate activator and a calcium chloride reagent.

SUMMARY AND PRINCIPLE

The Activated Partial Thromboplastin Time (APTT) assay is a universally accepted screening procedure used to detect abnormalities in the intrinsic coagulation system. It can also be used in factor assays to quantify deficiencies of Factors II, V, VIII, IX, XI, and XII but is insensitive to platelet Factor 3. In addition, it can be used to detect lupus anticoagulants and is recommended when monitoring heparin therapy since it is sensitive to the presence of heparin. The APTT assay is not recommended for monitoring anticoagulant therapy nor is it sensitive to platelet dysfunction. These conditions are better monitored by a prothrombin time test or a bleeding time test, respectively.

TriniCLOT aPTT S Reagent is mixed with patient plasma to provide optimal and uniform activation of the sample. After activation at 37°C for five minutes, the reaction is initiated by the addition of TriniCLOT aPTT S CaCl₂. The time, in seconds, required for clot formation is measured.

REAGENT

For in vitro diagnostic use.

REAGENT DESCRIPTION

TriniCLOT aPTT S Reagent, 5 x 10 ml, T1201A

TriniCLOT aPTT S Reagent, 5 x 3 ml, T1202A

Purified phospholipids (porcine and chicken); contains micronized silica (activator), buffer, stabilizer, and 0.02% sodium azide as preservative.

TriniCLOT aPTT S CaCl₂ (0.02 M), 5 x 10 ml, T1201B

TriniCLOT aPTT S CaCl₂ (0.02 M), 5 x 3 ml, T1202B

Contains buffer, stabilizer, and 0.05% sodium azide as preservative.

REAGENT PREPARATION

Some settling of the activator may occur during storage; therefore, repeatedly invert TriniCLOT aPTT S Reagent gently just before use to ensure homogeneity. Continuous stirring is not required during use.

Caution: Both components in this kit contain sodium azide (NaN₃) as a preservative. When discarded into plumbing, always flush with copious quantities of water. This helps prevent formation of metal azides which, when highly concentrated in metal plumbing, may be potentially explosive.

ADDITIONAL MATERIALS REQUIRED

Micropipette with disposable tips, 0.1 ml Reference plasma and factor deficient plasma (for factor assays) Coagulation instrumentation Control plasmas

MATERIALS AVAILABLE

• Factor Deficient Plasmas
• Coagulation instrumentation
• TriniCHECK Control Plasmas
• TriniCAL Reference Plasma

INSTRUMENTS

Application/method adaptations for individual analyzers are available upon request; please contact your local representative.

STORAGE AND STABILITY

Store all TriniCLOT aPTT S kit components at 2-8°C when not in use. Do not freeze. The expiration date printed on each vial indicates the date beyond which the component cannot be used. Signs of deterioration are reflected by quality control results outside the established laboratory range.

Studies performed on TriniCLOT aPTT S Reagent and TriniCLOT aPTT S CaCl₂ indicate that the opened reagent is stable for the time period stated in the table below if kept in the original tightly sealed vial and used in accordance with standard laboratory practices. While each laboratory should establish its own time limitations based on instrumentation, environment, and usage conditions, these limits should not exceed those stated which have been found to be valid under controlled conditions.
establish its own quality control ranges based on the precision of the endpoint detection method employed and the test conditions within that laboratory.

In additional studies, TriniCLOT aPTT S showed excellent correlation with TriniCLOT Automated aPTT with a correlation coefficient of 0.945, a slope of 1.03, and a y-intercept of -0.063.

For technical assistance in the U.S.A., contact Tcoag Customer Service at 888 291 0415. Outside the U.S.A., contact your local Tcoag Representative.

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REFERENCES

ORDERING INFORMATION

KIT  
Catalogue No.  
T1201

Kit Content  
Item  
Quantity

TriniCLOT aPTT S  
Reagent  
5 x 10 ml

TriniCLOT aPTT S Calcium Chloride  
5 x 10 ml

KIT  
Catalogue No.  
T1202

Kit Content  
Item  
Quantity

TriniCLOT aPTT S  
Reagent  
5 x 3 ml

TriniCLOT aPTT S Calcium Chloride  
5 x 3 ml

ADDITIONAL PRODUCTS AVAILABLE

Catalogue No.  
Item  
Quantity

T4111  
TriniCHECK Level 1 (un-assayed)  
10 x 1 ml

T4112  
TriniCHECK Level 2 (un-assayed)  
10 x 1 ml

T4113  
TriniCHECK Level 3 (un-assayed)  
10 x 1 ml

T4101  
TriniCHECK Control 1 (assayed)  
10 x 1 ml

T4102  
TriniCHECK Control 2 (assayed)  
10 x 1 ml

T4103  
TriniCHECK Control 3 (assayed)  
10 x 1 ml

T5103  
TriniVeriCAL Calibrator Set  
1 set

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