

**Diagnostic
Reagents
Limited**

Calcium Chloride Solutions

Catalogue Number: CFMM540 (4 mM)
CSMM541 (6 mM)
CTMM542 (25 mM)

For *in vitro* diagnostic use only.

Intended Use

Diagen Calcium chloride solutions are a reliable and convenient source of calcium ions and have multiple applications in the coagulation laboratory.

Summary and Principle

When collecting plasma specimens, the patient blood sample must first be collected in tubes containing Sodium citrate, a calcium binding anticoagulant. Once the sample has been collected and processed, the resultant plasma sample is devoid of the calcium the coagulation mechanism needs to form a clot and thus be evaluated. The calcium bound by the anticoagulant needs to therefore be replaced and is accomplished by the addition of the appropriate volume of Calcium chloride solution.

Reagent

4, 6 or 25 mM Calcium Chloride Solution **250 ml**
Aqueous solutions of Calcium chloride, at three different concentrations (0.004 Mol/L, 0.006 Mol/L and 0.025 Mol/L).
The solutions are ready for use.

Warnings and Precautions

Please refer to the Calcium chloride solution SDS for further information on safety precautions and advice.
These products are for *in vitro* diagnostic use

Collection of Blood Samples

Blood (9 parts) is collected into 1 part of 3.2% trisodium citrate and the plasma obtained by centrifugation at 2500 g for 15 minutes. The plasma should be stored in stoppered tubes. The use of 3.2% citrate containing 5% HEPES buffer improves the stability of both fresh and deep-frozen plasma.

Procedure

For the relevant instrument/test procedure please refer to the pack insert included with the test reagent or kit.









Storage and stability

The reagent is stable for 3 years when stored at 2-8°C.

Packaging

1 x 250 ml bottle.

Key guide to symbols

 REF	Manufacturers catalogue number.	 i	Consult instructions for use.
 LOT	Manufacturers batch number.	 Recon.	Requires reconstitution.
 IVD	For <i>in vitro</i> diagnostic use only.		Product expiry date.
	Biological risks.		Store refrigerated between 2 - 8°C.



Manufacturer.



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Diagnostic Reagents Limited is a BS EN ISO13485:2016 certified company