

**ACTIVATED PARTIAL THROMBOPLASTIN TIME
REAGENT LIQUID**

Cat. No.: coag109 Size: 12x2 ml

Cat. No.: coag108 Size: 6x2 ml

PRODUCT NAME

Coag-o-test PTT Liquid

INTENDED USE

(For In Vitro Diagnostic Use Only)

Coag-o-test PTT Liquid is a rabbit brain cephalin for Activated Partial Thromboplastin Time determinations.

SUMMARY AND BACKGROUND

The Activated Partial Thromboplastin Time (APTT) is a general screening test of the intrinsic coagulation pathway (Factors: XII, XI, X, IX, VIII, V, II, I).

PRINCIPLE

The APTT involves the recalcification of the plasma in the presence of standardized amount of ellagic acid.

The APTT is a screening test for the quantitative and qualitative deficiencies of the intrinsic factors, causing bleeding tendency.

ACTIVE INGREDIENTS

Coag-o-test PTT Liquid is a liquid, ready to use, rabbit brain cephalin and ellagic acid in buffered medium with stabilizer.

PRECAUTIONS

- Coag-o-test PTT Liquid, due to its ingredients should be handled with care, observing the precautions recommended for biohazardous material!
- Specimens, samples and all materials coming into contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
- Do not use the reagent beyond the expiration date printed on the label!
- Avoid microbial contamination of the reagent or erroneous results may occur.
- According to the present knowledge the reagent does not contain any particles, which can spread from animal to human!

PREPARATION

The product does not need any special preparative step. Swirl the vial gently before use and do not shake. Avoid the contact of fluid with the stopper. Using of stirring bar is necessary.

SPECIMENS

Coag-o-test PTT Liquid requires freshly, decalcified

plasma. To obtain it, mix nine parts of freshly drawn venous blood with one part trisodium citrate. Mix the blood carefully and centrifuge plasma before testing.

INSTRUCTION FOR USE ON A COAGULOMETER

Coag-o-test PTT Liquid test is an APTT test, which is suitable for manual techniques according to the protocol detailed below and for automated assays according to the instructions outlined in the instrument manual. Duplicate determinations are recommended.

1. Bring the sufficient volume of Coag-o-test CaCl₂ to 37°C.
2. Add 50µl plasma (control or patient's) to the test tube.
3. Add 50µl Coag-o-test PTT Liquid reagent to the plasma, and gently mix it.
4. Incubate the mixture at 37°C for 3 minutes.
5. Add 50µl Coag-o-test CaCl₂ and simultaneously start the timer.
6. Determine the coagulation time.

Normal and pathological controls are recommended for verified measuring. In case of determination by any other coagulometer, please follow the instructions of the manual.

We can guarantee the correct result by using Coag-o-test CaCl₂ solution only!**STORAGE AND STABILITY**

Coag-o-test PTT Liquid reagent in intact vial is stable until the expiration date given on the vial, when stored at 2-8°C. Stability after opening in the original vial: 14 days at 2-8°C. Do not freeze!

EXPECTED RESULTS

Coag-o-test PTT Liquid test results can be reported in the following units:

1. Seconds, which means the observed clotting time.
2. Ratio, which means the clotting time of the sample divided by the clotting time of the normal plasma pool.

The normal range that is the second of the activated partial thromboplastin time at healthy persons is influenced by several factors (age, gender, hematocrit etc.). In general the range is considered as normal between 20-30 sec.

LIMITATIONS

Person installing the reagent must be a trained laboratory professional.

MATERIALS REQUIRED BUT NOT PROVIDED









- CaCl₂ for measuring (Coag-o-test CaCl₂; Cat. No.: coag113, coag114).
- Normal and pathological controls for quality control (Coag-o-trol I-II; Cat. No.: coag118).

- Coagulation analyser for measuring (developed on optical analyser).

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BIBLIOGRAPHY

1. Angell RD, Wagner RH, Brinkhous KM: Effect of antihemophilic factor on one stage hemophilic test. J Lab Clin Med; 41:637; 1953.
2. Bell W, Alton HG: A brain extract is the substitute for platelet suspensions in the thromboplastin generation test. Nature; 174:880; 1954.

	Store at		Lot.-No.
	For diagnostic use only		Expiry
	Ref-No.		For <n> tests
	Note instructions		Manufacturer



BGT BioGenTechnologies GmbH
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Referent No.		coag108, coag109
Lot No.		930201
Expiry date		2014-02
MNPTT*		
Coagulometer		Sec.
Optical I.	Coag 4D, Dia-Timer, Koag-o-test	27.39
Optical III.	Sysmex CA Line	26,41

*Important notice: The mean normal thromboplastin time (MNPTT) is for information only.
 The value depends on the population, race, gender, sampling tube etc.
 According to the CLSI every laboratory should determine its local MNPTT.