Tissue Plasminogen Activator (tPA) Antigen in Plasma Reference standard

Cat. No. PLAT-142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Tissue plasminogen activator (tPA) is a marker for endothelial cell dysfunction and may be riased in subjects suffering from cardiovascular disease. This standard is intended to be used to calibtrate methods designed to study tPA antigen in plasma by ELISA methods.
Species	Human
Enzyme Unit	A collaborative study was conducted which included 8 different commercial or in-house ELISA methods and a consensus geometric mean value from these methods determined that each ampoule of the standard contains 25 ng of tPA antigen in 1ml of human plasma.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. The total contents of the ampoule should be reconstituted with 1.0ml distilled water and dissolved gently by swirling to avoid froth. The reconstituted reagent should be used as soon as possible after reconstitution.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should

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	include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Stability	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label.
Storage	Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	PLAT plasminogen activator, tissue [Homo sapiens];
Official Symbol	PLAT
Synonyms	TPA; T-PA; tissue-type plasminogen activator; alteplase; reteplase; t-plasminogen activator; plasminogen activator, tissue type; tissue plasminogen activator (t-PA)
Gene ID	5327
mRNA Refseq	NM_000930
Protein Refseq	NP_000921
MIM	173370
UniProt ID	P00750
Chromosome	8p12

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Location	
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Dissolution of Fibrin Clot, organism-specific biosystem; Signal Transduction, organism-specific biosystem
Function	protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity

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