

Nomenclature of quantities and units in thrombosis and haemostasis (Recommendation 1993)

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Scientific and Standardization Committee Communications

Nomenclature of Quantities and Units in Thrombosis and Haemostasis (Recommendation 1993)**A Collaborative Project of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis (ISTH/SSC) and the Commission/Committee on Quantities and Units (in Clinical Chemistry) of the International Union of Pure and Applied Chemistry-International Federation of Clinical Chemistry (IUPAC-IFCC/CQU(CC))**

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Foreword

This document is a result of cooperation between the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis and The Committee/Commission on Quantities and Units (in Clinical Chemistry) of The International Federation of

Clinical Chemistry (IFCC) and The International Union of Pure and Applied Chemistry (IUPAC). Meetings between the organizations were held in Amsterdam (NL) 1991-06-29/30 and in Munich (D) 1992-07-07/08.

Introduction

Basic research in biology and medicine and innovations in laboratory methodology have greatly increased the range of quantities available

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EXAMPLES

Entry:

- 1 **Plasma-**
- 3 **Plasminogen activator, tissue type;**
- 4 **substance concentration**(enz.; procedure)
- 5 P – Plasminogen activator, tissue type; subst. c.
(enz., IS 86/670) = 1 int. unit/l
- 6 $M = 60,000$ g/mol
- 7 Calibrator: WHO 2nd IS 86/670
- 8 Previous calibrator(s): WHO 1st IS 83/517
- 9 Not recommended term(s): Blood plasminogen activator;
t-PA; Tissue plasminogen activator; Vascular plasminogen
activator
- 10 Authority: Isth/SSC93

Entry:

- 1 **Plasma-**
- 2 α_2 -
- 3 **Macroglobulin:**
- 4 **substance concentration**
- 5 P – α_2 -Macroglobulin, subst. c. = $3.7 \mu\text{mol/l}$
- 6 $M = 725,000$ g/mol

Abbreviations

CAS	Chemical Abstract Service
EC	Enzyme Commission (of the International Union of Biochemistry and Molecular Biology)
ICW	International Complement Workshop
IFCC	International Federation of Clinical Chemistry
INR	International Normalized Ratio
IRP	International Reference Preparation
IS	International Standard (by WHO)
ISTH	International Society of Thrombosis and Haemostasis
IUPAC	International Union of Pure and Applied Chemistry
NIBSC	National Institute for Biological Standards and Control
NIH	National Institute of Health (USA)
SI	International System of Units
SSC	Scientific and Standardization Committee (of Isth)
WHO	World Health Organization

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Annex (Recommendation 1993)

Alphabetic list of Generic Quantities in Thrombosis and Haemostasis

Note 1

Kind-of-quantity. General nature of a measurable quantity defined by how measurable quantities of a system and its components are to be related in order to obtain a value of the quantity.

EXAMPLES

length, amount-of-substance, volume fraction.

Note 2

Threshold. Modifier indicating that a kind-of-quantity is defined as the lowest value of a quantity eliciting a reaction given by the component and specified by the procedure.

Note 3

Abbreviations for specifications. coag.: coagulation; coag. diss.: coagulum dissolution; enz.: enzymatic; imm.: immunological; imm. blott.: immunoblotting.

Note 4

Specifications necessary or useful for the interpretation of results are stated in the parenthesis following the kind-of-quantity. In the entries such specifications are indicated in the general sequence: analytical principle (coag., enz., imm., etc.); procedure (to be substituted by a recognized procedural name, e. g. the name of a commercial "kit"); further optional data, e. g. the calibrator used or the scale of possible results.

As apparent from the petit examples the choice of such specifications is more or less arbitrary.

Note 5

Abbreviation for activated component: a

EXAMPLES

Coagulation factor V,a; protein C,a inhibition.

Platelets-

Aggregation, ADP-induced;

threshold substance concentration(procedure)

Plts – Aggregation, ADP-induced; threshold subst.c.(procedure;
0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 10 $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, ADP-induced;

threshold substance concentration(procedure)

Trcs – Aggregation, ADP-induced; threshold subst.c.(procedure;
0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 10 $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, adrenaline-induced;

threshold substance concentration(procedure)

Plts – Aggregation, adrenaline-induced; threshold subst.c.(procedure;
0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 2 $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, adrenaline-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, adrenaline-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 µmol/l) = 2 µmol/l
Authority: ISTH/SSC93

Platelets-

Aggregation, arachidonate-induced;

threshold substance concentration(procedure)

Plts-Aggregation, arachidonate-induced; threshold subst.c.(procedure) = a µmol/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, arachidonate-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, arachidonate-induced; threshold subst.c.(procedure) = a µmol/l

Authority: ISTH/SSC93

Platelets-

Aggregation, calcium ionophore-induced;

threshold substance concentration(procedure)

Plts-Aggregation, calcium ionophore-induced; threshold subst.c.(procedure) = a µmol/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, calcium ionophore-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, calcium ionophore-induced; threshold subst.c.(procedure) = a µmol/l

Authority: ISTH/SSC93

Platelets-

Aggregation, collagen-induced;

threshold mass concentration(procedure)

Plts-Aggregation, collagen-induced; threshold mass. (procedure; 0 0.5 1 2 5 10 20 mg/l) = 2 mg/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, collagen-induced;

threshold mass concentration(procedure)

Trcs-Aggregation, collagen-induced; threshold mass. (procedure; 0 0.5 1 2 5 10 20 mg/l) = 2 mg/l

Authority: ISTH/SSC93

Platelets-

Aggregation, noradrenaline-induced;

threshold substance concentration(procedure)

Plts-Aggregation, noradrenaline-induced; threshold subst.c. (procedure; 0 5 10 20 50 200 µmol/l) = 20 µmol/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, noradrenaline-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, noradrenaline-induced; threshold subst.c. (procedure; 0 5 10 20 50 200 µmol/l) = 20 µmol/l

Authority: ISTH/SSC93

Platelets-

Aggregation, ristocetin-induced;

threshold mass concentration(procedure)

Plts-Aggregation, ristocetin-induced; threshold mass. (procedure; 0 1 2 g/l) = 1 g/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, ristocetin-induced;

threshold mass concentration(procedure)

Trcs-Aggregation, ristocetin-induced; threshold mass. (procedure; 0 1 2 g/l) = 1 g/l

Authority: ISTH/SSC93

Platelets-

Aggregation, serotonin-induced;

threshold substance concentration(procedure)

Plts-Aggregation, serotonin-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 µmol/l) = 5 µmol/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, serotonin-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, serotonin-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 µmol/l) = 5 µmol/l

Authority: ISTH/SSC93

Platelets-

Aggregation, thrombin-induced;

threshold concentration(procedure)

Plts-Aggregation, thrombin-induced; threshold conc. (procedure; 0 20 50 100 200 500 1000 arb. unit/l) = 200 arb. unit/l

Authority: ISTH/SSC93

Thrombocytes-

Aggregation, thrombin-induced;

threshold concentration(procedure)

Trcs-Aggregation, thrombin-induced; threshold conc. (procedure; 0 20 50 100 200 500 1000 arb. unit/l) = 200 arb. unit/l

Authority: ISTH/SSC93

Plasma-

Antithrombin;

arbitrary substance concentration(enz.; procedure)

P-Antithrombin; arb. subst. c. (enz.; IRP 72/1) = 1 k(int. unit)/l

M = 65,000 g/mol

Calibrator: WHO 1st IRP 72/1

Not recommended term(s): Antithrombin III; Heparin cofactor I; Thrombin inhibitor I

Authority: ISTH/SSC93

Plasma-

Antithrombin;

substance concentration(enz.; procedure)

P-Antithrombin; subst. c. (enz.; procedure) = 2.5 µmol/l

M = 65,000 g/mol

Not recommended term(s): Antithrombin III; Heparin cofactor I; Thrombin inhibitor I

Authority: ISTH/SSC93

Trcs-Aggregation, adrenaline-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 2 $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, arachidonate-induced;

threshold substance concentration(procedure)

Plts-Aggregation, arachidonate-induced; threshold subst.c.(procedure) = a $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, arachidonate-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, arachidonate-induced; threshold subst.c.(procedure) = a $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, calcium ionophore-induced;

threshold substance concentration(procedure)

Plts-Aggregation, calcium ionophore-induced; threshold subst.c.(procedure) = a $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, calcium ionophore-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, calcium ionophore-induced; threshold subst.c.(procedure) = a $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, collagen-induced;

threshold mass concentration(procedure)

Plts-Aggregation, collagen-induced; threshold massc. (procedure; 0 0.5 1 2 5 10 20 mg/l) = 2 mg/l

Authority: Isth/SSC93

Thrombocytes-

Aggregation, collagen-induced;

threshold mass concentration(procedure)

Trcs-Aggregation, collagen-induced; threshold massc. (procedure; 0 0.5 1 2 5 10 20 mg/l) = 2 mg/l

Authority: Isth/SSC93

Platelets-

Aggregation, noradrenaline-induced;

threshold substance concentration(procedure)

Plts-Aggregation, noradrenaline-induced; threshold subst.c. (procedure; 0 5 10 20 50 200 $\mu\text{mol/l}$) = 20 $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, noradrenaline-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, noradrenaline-induced; threshold subst.c. (procedure; 0 5 10 20 50 200 $\mu\text{mol/l}$) = 20 $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, ristocetin-induced;

threshold mass concentration(procedure)

Plts-Aggregation, ristocetin-induced; threshold massc. (procedure; 0 1 2 g/l) = 1 g/l

Authority: Isth/SSC93

Thrombocytes-

Aggregation, ristocetin-induced;

threshold mass concentration(procedure)

Trcs-Aggregation, ristocetin-induced; threshold massc. (procedure; 0 1 2 g/l) = 1 g/l

Authority: Isth/SSC93

Platelets-

Aggregation, serotonin-induced;

threshold substance concentration(procedure)

Plts-Aggregation, serotonin-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 5 $\mu\text{mol/l}$

Authority: Isth/SSC93

Thrombocytes-

Aggregation, serotonin-induced;

threshold substance concentration(procedure)

Trcs-Aggregation, serotonin-induced; threshold subst.c.(procedure; 0 0.5 1 2 5 10 20 $\mu\text{mol/l}$) = 5 $\mu\text{mol/l}$

Authority: Isth/SSC93

Platelets-

Aggregation, thrombin-induced;

threshold concentration(procedure)

Plts-Aggregation, thrombin-induced; threshold conc. (procedure; 0 20 50 100 200 500 1000 arb. unit/l) = 200 arb. unit/l

Authority: Isth/SSC93

Thrombocytes-

Aggregation, thrombin-induced;

threshold concentration(procedure)

Trcs-Aggregation, thrombin-induced; threshold conc. (procedure; 0 20 50 100 200 500 1000 arb. unit/l) = 200 arb. unit/l

Authority: Isth/SSC93

Plasma-

Antithrombin;

arbitrary substance concentration(enz.; procedure)

P-Antithrombin; arb. subst. c. (enz.; IRP 72/1) = 1 k(int. unit)/l

$M = 65,000 \text{ g/mol}$

Calibrator: WHO 1st IRP 72/1

Not recommended term(s): Antithrombin III; Heparin cofactor I; Thrombin inhibitor I

Authority: Isth/SSC93

Plasma-

Antithrombin;

substance concentration(enz.; procedure)

P-Antithrombin; subst. c. (enz.; procedure) = 2.5 $\mu\text{mol/l}$

$M = 65,000 \text{ g/mol}$

Not recommended term(s): Antithrombin III; Heparin cofactor I; Thrombin inhibitor I

Authority: Isth/SSC93

Plasma–
Antithrombin;
substance concentration(imm.; procedure)
P–Antithrombin; subst.c.(imm.; procedure) = 2.5 µmol/l
M = 65,000 g/mol
Not recommended term(s): Antithrombin III; Heparin cofactor I;
Thrombin inhibitor I
Authority: ISTM/SSC93

Plasma–
Antithrombin;
arbitrary substance concentration(imm.; procedure)
P–Antithrombin; arb. subst.c.(imm.; IRP 72/1) = 1 k(int. unit)/l
M = 65,000 g/mol
Calibrator: WHO 1st IRP 72/1
Not recommended term(s): Antithrombin III; Heparin cofactor I;
Thrombin inhibitor I
Authority: ISTM/SSC93

Plasma–
Apolipoprotein H;
substance concentration
P–Apolipoprotein H; subst.c. = a mol/l
Not recommended term(s): β-2-glycoprotein 1
Authority: IFCC–IUPAC94

Plasma–
Calcium ion(free);
substance concentration
P–Calcium ion(free); subst.c. = 1.22 µmol/l
M = 40.080 g/mol
Not recommended term(s): Coagulation factor IV
Authority: IFCC–IUPAC94

Patient–
Capillary bleeding;
time (procedure)
Pt–Capillary bleeding; time (template) = 300 s
Not recommended term(s): Bleeding time
Authority: ISTM/SSC93

Plasma–
Cardiolipin antibody;
arbitrary substance concentration(procedure)
P–Cardiolipin antibody; arb. subst.c.(procedure) = a arb. unit/l
Authority: IFCC–IUPAC94

Blood–
Coagulation;
time (procedure)
B–Coagulation; time (procedure) = 400 s
Not recommended term(s): Coagulation time
Authority: ISTM/SSC93

Plasma–
Coagulation, calcium ion-induced;
time (procedure)
P–Coagulation, calcium ion-induced; time (procedure) = 90 s
Not recommended term(s): Recalcification time
Authority: ISTM/SSC93

Plasma–
Coagulation, ecarin-induced;
time (procedure)
P–Coagulation, ecarin-induced; time (procedure) = a s
Authority: ISTM/SSC93
Note: The name ecarin is derived from EC 3.4.99.27
Echis carinatus prothrombin-activating proteinase

Plasma–
Coagulation, batroxobin-induced;
time (procedure)
P–Coagulation, batroxobin-induced; time (procedure) = 15 s
Authority: ISTM/SSC93
Note: The name batroxobin is derived from EC 3.4.21.29
Bothrops atrox serine proteinase

Plasma–
Coagulation, russelactivase X-induced;
time (procedure)
P–Coagulation, russelactivase X-induced; time (procedure) = 30 s
Authority: ISTM/SSC93
Note: The name russelactivase X is derived from *Vipera russelli*
venom

Plasma–
Coagulation, surface-induced;
inverse relative time (procedure; norm/actual)
P–Coagulation, surface-induced; inverse rel. time (procedure;
norm/actual) = 0.44
Not recommended term(s): Activated partial thromboplastin time;
aPTT; APTT
Authority: ISTM/SSC93

Plasma–
Coagulation, surface-induced;
relative time (procedure; actual/norm)
P–Coagulation, surface-induced; rel. time (procedure; actual/
norm) = 2.3
Not recommended term(s): Activated partial thromboplastin time;
aPTT; APTT
Authority: ISTM/SSC93

Plasma–
Coagulation, surface-induced;
time (procedure)
P–Coagulation, surface-induced; time (procedure) = 30 s
Not recommended term(s): Activated partial thromboplastin time;
aPTT; APTT
Authority: ISTM/SSC93

Plasma–
Coagulation, thrombin-induced;
time (procedure)
P–Coagulation, thrombin-induced; time (procedure) = 15 s
Not recommended term(s): Thrombin time
Authority: ISTM/SSC93

Calibrator: WHO IS 84/665

Not recommended term(s): Serum prothrombin conversion accelerator; Proconvertin; SPCA

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII;

relative substance concentration(actual/norm)

P–Coagulation factor VII; rel. subst.c.(actual/norm) = 0.8

$M = 48,000$ g/mol

Not recommended term(s): Serum prothrombin conversion accelerator; Proconvertin; SPCA

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII;

substance concentration(imm.; procedure)

P–Coagulation factor VII; subst.c.(imm.; procedure) = 10 nmol/l

$M = 48,000$ g/mol

Not recommended term(s): Serum prothrombin conversion accelerator; Proconvertin; SPCA

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII, activated;

arbitrary substance concentration(coag.; procedure)

P–Coagulation factor VII, a; arb. subst.c.(coag.; procedure) = a arb. unit/l

$M = 48,000$ g/mol

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII+acarboxy;

relative substance concentration(imm.; actual/norm)

P–Coagulation factor VII+acarboxy; rel. subst.c.(imm.; actual/norm) = 1.1

$M = 48,000$ g/mol

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII+acarboxy;

substance concentration(imm.; procedure)

P–Coagulation factor VII+acarboxy; subst.c.(imm.; procedure) = 10 nmol/l

$M = 48,000$ g/mol

Authority: ISTH/SSC93

Plasma–

Coagulation factor VII antibody;

arbitrary substance concentration(coag.; procedure)

P–Coagulation factor VII antibody; arb. subst.c.(coag.; procedure); 0.1 arb. unit = 0 arb. unit

Not recommended term(s): Coagulation factor VII inhibitor

Authority: ISTH/SSC93

Plasma–

Coagulation factor VIII;

arbitrary substance concentration(coag.; procedure)

P–Coagulation factor VIII; arb. subst.c.(coag.; IS 91/666) = 1 k(int. unit)/l

$M = 330,000$ g/mol

Calibrator: WHO 3rd IS 91/666

Previous calibrator(s): WHO 2nd IS 87/718

Not recommended term(s): VIII:C; Antihemophilic factor; AHF; Antihemophilic globulin; AHG; Factor VIII clotting activity; Thrombocyte cofactor A

Authority: ISTH/SSC93

Plasma–

Coagulation factor VIII;

arbitrary substance concentration(enz.; procedure)

P–Coagulation factor VIII; arb. subst.c.(enz.; Xa activator; IS 91/666) = 1 k(int. unit)/l

$M = 330,000$ g/mol

Calibrator: WHO 3rd IS 91/666

Previous calibrator(s): WHO 2nd IS 87/718

Not recommended term(s): VIII:C; Antihemophilic factor; AHF; Antihemophilic globulin; AHG; Factor VIII clotting activity; Thrombocyte cofactor A

Authority: ISTH/SSC93

Plasma–

Coagulation factor VIII;

arbitrary substance concentration(imm.; procedure)

P–Coagulation factor VIII; arb. subst.c.(imm.; IS 91/666) = 1 k(int. unit)/l

$M = 330,000$ g/mol

Calibrator: WHO 3rd IS 91/666

Previous calibrator(s): WHO 2nd IS 87/718

Not recommended term(s): VIII:C; Antihemophilic factor; AHF; Antihemophilic globulin; AHG; Factor VIII:Ag; Factor VIII clotting activity; Thrombocyte cofactor A

Authority: ISTH/SSC93

Plasma–

Coagulation factor VIII;

substance concentration(imm.; procedure)

P–Coagulation factor VIII; subst.c.(imm.; procedure) = 0.3 nmol/l

$M = 330,000$ g/mol

Not recommended term(s): VIII:Ag; Antihemophilic factor; AHF; Antihemophilic globulin; AHG; Factor VIII:Ag; Factor VIII clotting activity; Thrombocyte cofactor A

Authority: ISTH/SSC93

Plasma–

Coagulation factor VIII, activated;

arbitrary substance concentration(coag.; procedure)

P–Coagulation factor VIII,a; arb. subst.c.(coag.; procedure) = a int. unit/l

$M = 330,000$ g/mol

Authority: ISTH/SSC93

Plasma—
Coagulation factor VIII antibody;
arbitrary substance concentration(coag.; procedure)
P—Coagulation factor VIII antibody; arb. subst.c.(coag.; Bethesda; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Circulating anticoagulant; Coagulation factor VIII inhibitor
Authority: Isth/SSC93
Note: Possible procedures: Bethesda; modified Bethesda; Oxford old; Oxford new, etc.

Plasma—
Coagulation factor VIII antibody;
arbitrary substance concentration(enz.; procedure)
P—Coagulation factor VIII antibody; arb. subst.c.(enz.; procedure; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Circulating anticoagulant; Coagulation factor VIII inhibitor
Authority: Isth/SSC93

Plasma—
Coagulation factor VIII antibody;
arbitrary substance concentration(imm.; procedure)
P—Coagulation factor VIII antibody; arb. subst.c.(imm.; procedure; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Circulating anticoagulant; Coagulation factor VIII inhibitor
Authority: Isth/SSC93

Plasma—
Coagulation factor IX;
arbitrary substance concentration(coag.; procedure)
P—Coagulation factor IX; arb. subst.c.(coag.; IS 84/665) = a int. unit/l
 $M = 55,400 \text{ g/mol}$
Calibrator: WHO IS 84/665
Not recommended term(s): Antihemophilic factor B; Christmas factor; Plasma thromboplastin component; PTC; Thrombocyte co-factor II
Authority: Isth/SSC93

Plasma—
Coagulation factor IX;
arbitrary substance concentration(enz.; procedure)
P—Coagulation factor IX; arb. subst.c.(enz.; IS 84/665) = a int. unit/l
 $M = 55,400 \text{ g/mol}$
Calibrator: WHO IS 84/665
Not recommended term(s): Antihemophilic factor B; Christmas factor; Plasma thromboplastin component; PTC; Thrombocyte co-factor II
Authority: Isth/SSC93

Plasma—
Coagulation factor IX;
relative substance concentration(imm.; actual/norm)
P—Coagulation factor IX; rel. subst.c.(imm.; actual/norm) = 1
 $M = 55,400 \text{ g/mol}$
Not recommended term(s): Antihemophilic factor B; Christmas factor; Plasma thromboplastin component; PTC; Thrombocyte co-

factor II; Factor IX:Ag
Authority: Isth/SSC93

Plasma—
Coagulation factor IX;
substance concentration(imm.; procedure)
P—Coagulation factor IX; subst.c.(imm.; procedure) = 80 nmol/l
 $M = 55,400 \text{ g/mol}$
Not recommended term(s): Antihemophilic factor B; Christmas factor; Plasma thromboplastin component; PTC; Thrombocyte co-factor II; Factor IX:Ag
Authority: Isth/SSC93

Plasma—
Coagulation factor IX, activated;
arbitrary substance concentration(coag.; procedure)
P—Coagulation factor IX,a; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 55,400 \text{ g/mol}$
Authority: IFCC92

Plasma—
Coagulation factor IX antibody;
arbitrary substance concentration(coag.; procedure)
P—Coagulation factor IX antibody; arb. subst.c.(coag.; Bethesda modified; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Coagulation factor IX inhibitor
Authority: Isth/SSC93

Plasma—
Coagulation factor X;
arbitrary substance concentration(coag.; procedure)
P—Coagulation factor X; arb. subst.c.(coag.; IS 84/665) = 1 k (int. unit)/l
 $M = 59,000 \text{ g/mol}$
Calibrator: WHO 1st IS 84/665
Not recommended term(s): Autoprothrombin III; Prothrombokinase; Stuart-Prower factor
Authority: Isth/SSC93

Plasma—
Coagulation factor X;
arbitrary substance concentration(enz.; procedure)
P—Coagulation factor X; arb. subst.c.(enz.; IS 84/665) = 1 k (int. unit)/l
 $M = 59,000 \text{ g/mol}$
Calibrator: WHO 1st IS 84/665
Not recommended term(s): Autoprothrombin III; Prothrombokinase; Stuart-Prower factor
Authority: Isth/SSC93

Plasma—
Coagulation factor X;
relative substance concentration(imm.; actual/norm)
P—Coagulation factor X; rel. subst.c.(imm.; actual/norm) = 0.8
 $M = 59,000 \text{ g/mol}$
Not recommended term(s): Autoprothrombin III; Prothrombokinase; Stuart-Prower factor
Authority: Isth/SSC93

Plasma–
Coagulation factor X;
substance concentration(imm.; procedure)
P–Coagulation factor X; subst.c.(imm.; procedure) = 160 nmol/l
 $M = 59,000$ g/mol
Not recommended term(s): Autoprothrombin III; Prothrombokinase; Stuart-Prower factor
Authority: ISTH/SSC93

Plasma–
Coagulation factor X, activated;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor X,a; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 59,000$ g/mol
Authority: ISTH/SSC93

Plasma–
Coagulation factor X+acarboxy;
relative substance concentration(imm.; actual/norm)
P–Coagulation factor X+acarboxy; rel. subst.c.(imm.; actual/norm) = 1
 $M = 59,000$ g/mol
Authority: ISTH/SSC93

Plasma–
Coagulation factor X+acarboxy;
substance concentration(imm.; procedure)
P–Coagulation factor X+acarboxy; subst.c.(imm.; procedure) = 160 nmol/l
 $M = 59,000$ g/mol
Authority: ISTH/SSC93

Plasma–
Coagulation factor X antibody;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor X antibody; arb. subst.c.(coag.; procedure; 0 1 arb. unit) = 0 arb. unit
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor XI; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 160,000$ g/mol
Not recommended term(s): Antihemophilic factor C; Plasma thromboplastin antecedent; PTA
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI;
arbitrary substance concentration(enz.; procedure)
P–Coagulation factor XI; arb. subst.c.(enz.; procedure) = a arb. unit/l
 $M = 160,000$ g/mol
Not recommended term(s): Antihemophilic factor C; Plasma thromboplastin antecedent; PTA
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI;
relative substance concentration(imm.; actual/norm)
P–Coagulation factor XI; rel. subst.c.(imm.; actual/norm) = 1
 $M = 160,000$ g/mol
Not recommended term(s): Antihemophilic factor C; Plasma thromboplastin antecedent; PTA
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI;
substance concentration(imm.; procedure)
P–Coagulation factor XI; subst.c.(imm.; procedure) = 30 nmol/l
 $M = 160,000$ g/mol
Not recommended term(s): Antihemophilic factor C; Plasma thromboplastin antecedent; PTA
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI, activated;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor XI,a; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 160,000$ g/mol
Authority: ISTH/SSC93

Plasma–
Coagulation factor XI antibody;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor XI antibody; arb. subst.c.(coag.; procedure; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Coagulation factor XI inhibitor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XII;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor XII; arb. subst.c.(coag.; procedure) = 1 k (arb. unit)/l
 $M = 80,000$ g/mol
Not recommended term(s): Hageman factor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XII;
arbitrary substance concentration(enz.; procedure)
P–Coagulation factor XII; arb. subst.c.(enz.; procedure) = 1 k (arb. unit)/l
 $M = 80,000$ g/mol
Not recommended term(s): Hageman factor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XII;
relative substance concentration(imm.; actual/norm)
P–Coagulation factor XII; rel. subst.c.(imm.; actual/norm) = 0.8
 $M = 80,000$ g/mol
Not recommended term(s): Hageman factor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XII;
substance concentration(imm.; procedure)
P–Coagulation factor XII; subst.c.(imm.; procedure) = 370 nmol/l
 $M = 80,000$ g/mol
Not recommended term(s): Hageman factor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XII, activated;
arbitrary substance concentration(coag.; procedure)
P–Coagulation factor XII,a; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 80,000$ g/mol
Authority: ISTH SSC93

Plasma–
Coagulation factor XII antibody;
arbitrary substance concentration(coag. procedure)
P–Coagulation factor XII antibody; arb. subst.c.(coag.; procedure; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Coagulation factor XII inhibitor
Authority: ISTH/SSC93

Plasma–
Coagulation factor XIII;
arbitrary substance concentration(coag. diss.; procedure)
P–Coagulation factor XIII; arb. subst.c.(coag. diss.; procedure) = 1 arb. unit/l
 $M = 320,000$ g/mol
Not recommended term(s): Fibrin stabilizing factor; Fibrinolygase; Fibrinase Laki-Lorand factor; Plasma transglutaminase; Plasma transamidase; Protransglutaminase
Authority: ISTH/SSC93

Plasma–
Coagulation factor XIII;
relative substance concentration(imm.; actual/norm)
P–Coagulation factor XIII; rel. subst.c.(imm.; actual/norm) = 1
 $M = 320,000$ g/mol
Not recommended term(s): Fibrin stabilizing factor; Fibrinolygase; Fibrinase Laki-Lorand factor; Plasma transglutaminase; Plasma transamidase; Protransglutaminase
Authority: ISTH/SSC93

Plasma–
Coagulation factor XIII;
substance concentration(imm.; procedure)
P–Coagulation factor XIII; subst.c.(imm.; procedure) = 90 nmol/l
 $M = 320,000$ g/mol
Not recommended term(s): Fibrin stabilizing factor; Fibrinolygase; Fibrinase Laki-Lorand factor; Plasma transglutaminase; Plasma transamidase; Protransglutaminase
Authority: ISTH/SSC93

Plasma–
Coagulation factor XIII, activated;
arbitrary substance concentration(procedure)
P–Coagulation factor XIII,a; arb. subst.c.(procedure) = a arb. unit/l

$M = 320,000$ g/mol
Authority: ISTH/SSC93

Plasma–
Coagulation factor XIII antibody;
arbitrary substance concentration(procedure)
P–Coagulation factor XIII antibody; arb. subst.c.(procedure; 0 1 arb. unit) = 0 arb. unit
Not recommended term(s): Coagulation factor XIII inhibitor
Authority: ISTH/SSC93

Plasma–
Coagulum lysis;
time (coag. diss.; procedure)
P–Coagulum lysis; time (coag. diss.; procedure) = 6 ks
Not recommended term(s): Euglobulin clot lysis time
Authority: ISTH/SSC93

Blood –
Coagulum retraction;
volume fraction change (procedure)
B–Coagulum retraction; vol.fr. change (procedure) = a
Authority: ISTH/SSC93

Plasma–
Complement C1 esterase inhibitor;
arbitrary substance concentration(enz.; procedure)
P–Complement C1 esterase inhibitor; arb. subst.c.(enz.; procedure) = a arb. unit/l
 $M = 105,000$ g/mol
Not recommended term(s): C1 Inactivator; C1 INA; C1IA; C1 esterase inhibitor; C1 INH; C1 inhibitor
Authority: ICW91

Plasma–
Complement C1 esterase inhibitor;
arbitrary substance concentration(imm.; procedure)
P–Complement C1 esterase inhibitor; arb. subst.c.(imm.; procedure) = a arb. unit/l
 $M = 105,000$ g/mol
Not recommended term(s): C1 Inactivator; C1 INA; C1IA; C1 esterase inhibitor; C1 INH; C1 inhibitor
Authority: ICW91

Plasma–
Complement C1 esterase inhibitor;
substance concentration(imm.; procedure)
P–Complement C1 esterase inhibitor; subst.c.(imm.; procedure) = 2.3 μ mol/l
 $M = 105,000$ g/mol
Not recommended term(s): C1 Inactivator; C1 INA; C1IA; C1 esterase inhibitor; C1 INH; C1 inhibitor
Authority: ICW91

Platelets–
Connective tissue-activating peptide 3;
arbitrary substance concentration(enz.; procedure)
Plts–Connective tissue-activating peptide 3; arb. subst. c. (enz.; procedure) = a arb. unit/l
Authority: ISTH/SSC93

Thrombocytes–
Connective tissue-activating peptide 3;
arbitrary substance concentration(enz.; procedure)
Trcs–Connective tissue-activating peptide 3; arb. subst. c. (enz.; procedure) = arb. unit/l
Authority: ISTH/SSC93

Platelets–
Connective tissue-activating peptide 3;
arbitrary substance concentration(imm.; procedure)
Plts–Connective tissue-activating peptide 3; arb. subst. c. (imm.; procedure) = arb. unit/l
Authority: ISTH/SSC93

Thrombocytes–
Connective tissue-activating peptide 3;
arbitrary substance concentration(imm.; procedure)
Trcs–Connective tissue-activating peptide 3; arb. subst. c. (imm.; procedure) = a arb. unit/l
Authority: ISTH/SSC93

Plasma–
Fibrin+fibrinogen fragments;
arbitrary substance concentration(imm.; procedure)
P–Fibrin+fibrinogen fragments; arb. subst.c.(imm.; procedure) = a arb. unit
Not recommended term(s): FDP; Fibrinogen degradation products; Fibrinogen related antigens; Fibrinogen split products
Authority: ISTH/SSC93

Plasma–
Fibrin, soluble;
arbitrary substance concentration(procedure)
P–Fibrin, soluble; arb. subst.c.(ethanol gelation; 0 1 arb. unit) = 0 arb. unit
Authority: ISTH/SSC93

Plasma–
Fibrin, soluble;
arbitrary substance concentration(enz.; procedure)
P–Fibrin, soluble; arb. subst.c.(enz.; procedure) = 0 arb. unit/l
Authority: ISTH/SSC93

Plasma–
Fibrin D-dimer;
substance concentration(imm.; procedure)
P–Fibrin D-dimer; subst.c.(imm.; procedure) = 1 nmol/l
 $M = 182,600 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Fibrin fragments;
arbitrary substance concentration(imm.; procedure)
P–Fibrin fragments; arb. subst.c.(imm.; procedure) = a arb. unit/l
Authority: ISTH/SSC93

Plasma–
Fibrinogen;
substance concentration(coag.; procedure)

P–Fibrinogen; subst.c.(coag.; IS 89/644) = $7 \mu\text{mol/l}$
 $M = 340,000 \text{ g/mol}$
Calibrator: WHO IS 89/644
Not recommended term(s): Coagulation factor I
Authority: ISTH/SSC93

Plasma–
Fibrinogen;
substance concentration(imm.; procedure)
P–Fibrinogen; subst.c.(imm.; procedure) = $7 \mu\text{mol/l}$
 $M = 340,000 \text{ g/mol}$
Not recommended term(s): Coagulation factor I
Authority: ISTH/SSC93

Plasma–
Fibrinogen fragments;
arbitrary substance concentration(procedure)
P–Fibrinogen fragments; arb. subst.c.(procedure) = a arb. unit/l
Authority: ISTH/SSC93

Plasma–
Fibrinopeptide A;
substance concentration(imm.; procedure)
P–Fibrinopeptide A; subst.c.(imm.; procedure) < 2 nmol/l
 $M = 1,750 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Fibrinopeptide B;
substance concentration(imm.; procedure)
P–Fibrinopeptide B; subst.c.(imm.; procedure) = a nmol/l
 $M = 1,543 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Fibrinopeptide B β (1–14);
substance concentration(imm.; procedure)
P–Fibrinopeptide B β (1–14); subst.c.(imm.; procedure) = 0.5 nmol/l
 $M = 1,570.8 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Fibrinopeptide B β (1–42);
substance concentration(imm.; procedure)
P–Fibrinopeptide B β (1–42); subst.c.(imm.; procedure) = 1.2 nmol/l
 $M = 4,592.7 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Fibrinopeptide B β (15–42);
substance concentration(imm.; procedure)
P–Fibrinopeptide B β (15–42); subst.c.(imm.; procedure) = a nmol/l
 $M = 3,039.9 \text{ g/mol}$
Authority: ISTH/SSC93

Plasma–
Lupus anticoagulant;
arbitrary substance concentration(procedure)
P–Lupus anticoagulant; arb. subst.c.(procedure; 0 1 arb. unit) =
0 arb. unit
Not recommended term(s): Coagulation inhibiting antibody; Lupus
inhibitor
Authority: Isth/SSc93

Plasma–
α2-
Macroglobulin substance concentration;
P–α2-Macroglobulin; subst.c.= 3.7 μmol/l
M = 725,000 g/mol
Authority: IFCC–IUPAC94

Platelets–
Neutrophilocyte-activating peptide 2;
arbitrary substance concentration(enz.; procedure)
Plts–Neutrophilocyte-activating peptide 2; arb. subst.c.(enz.; proce-
dure) = a arb. unit/l
Authority: Isth/SSc93

Thrombocytes–
Neutrophilocyte-activating peptide 2;
arbitrary substance concentration(enz.; procedure)
Trcs–Neutrophilocyte-activating peptide 2; arb. subst.c.(enz.; pro-
cedure) = a arb. unit/l
Authority: Isth/SSc93

Platelets–
Neutrophilocyte-activating peptide 2;
arbitrary substance concentration(imm.; procedure)
Plts–Neutrophilocyte-activating peptide 2; arb. subst.c.(imm.; pro-
cedure) = a arb. unit/l
Authority: Isth/SSc93

Thrombocytes–
Neutrophilocyte-activating peptide 2;
arbitrary substance concentration(imm.; procedure)
Trcs–Neutrophilocyte-activating peptide 2; arb. subst.c.(imm.; pro-
cedure) = a arb. unit/l
Authority: Isth/SSc93

Plasma–
Plasmin inhibitor;
arbitrary substance concentration(enz.; procedure)
P–Plasmin inhibitor; arb. subst.c.(enz.; procedure) = a arb. unit/l
M = 70,000 g/mol
Not recommended term(s): α2-Antiplasmin; α2-AP; Primary fibri-
nolysis inhibitor; Primary plasmin inhibitor
Authority: Isth/SSc93

Plasma–
Plasmin inhibitor;
arbitrary substance concentration(imm.; procedure)
P–Plasmin inhibitor; arb. subst.c.(imm.; procedure) = a arb. unit/l
M = 70,000 g/mol

Not recommended term(s): α2-Antiplasmin; α2-AP; Primary fibri-
nolysis inhibitor; Primary plasmin inhibitor
Authority: Isth/SSc93

Plasma–
Plasmin inhibitor;
substance concentration(imm.; procedure)
P–Plasmin inhibitor; subst.c.(imm.; procedure) = 1.0 μmol/l
M = 70,000 g/mol
Not recommended term(s): α2-Antiplasmin; α2-AP; Primary fibri-
nolysis inhibitor; Primary plasmin inhibitor
Authority: Isth/SSc93

Plasma–
Plasmin-Plasmin inhibitor complex;
substance concentration(imm.; procedure)
P–Plasmin-Plasmin inhibitor complex; subst.c.(imm.; procedure) =
1.0 nmol/l
M = 140,000 g/mol
Not recommended term(s): Plasmin-α2-Antiplasmin complex
Authority: Isth/SSc93

Plasma–
Plasminogen;
arbitrary substance concentration(enz.; procedure)
P–Plasminogen; arb. subst.c.(enz.; 1st BR 78/646) = a arb. unit/l
M (Glu-1 type) = 92,000 g/mol
Calibrator: 1st Br Ref Prep 78/646 (Glu-type)
Not recommended term(s): PLG; Plgn; Profibrinolysin
Authority: Isth/SSc93

Plasma–
Plasminogen;
substance concentration(imm.; procedure)
P–Plasminogen; subst.c.(imm.; procedure) = 1.3 μmol/l
M (Glu-1 type) = 92,000 g/mol
Not recommended term(s): PLG; Plgn; Profibrinolysin
Authority: Isth/SSc93

Plasma–
Plasminogen activator inhibitor 1;
arbitrary substance concentration(enz.; procedure)
P–Plasminogen activator inhibitor 1; arb. subst.c.(enz.; NIBSC
87/512) = 7 arb. unit/l
M = 52,000 g/mol
Calibrator: NIBSC 87/512 (non-official)
Not recommended term(s): Endothelial cell type PAI; Fast acting
PAI; PAI 1; PA-inhibitor I; Platelet PAI; t-PA inhibitor
Authority: Isth/SSc93

Plasma–
Plasminogen activator inhibitor 1;
arbitrary substance concentration(imm.; procedure)
P–Plasminogen activator inhibitor 1; arb. subst.c.(imm.; NIBSC
87/512) = 7 arb. unit/l
M = 52,000 g/mol
Calibrator: NIBSC 87/512 (non-official)
Not recommended term(s): Endothelial cell type PAI; Fast acting
PAI; PAI 1; PA-inhibitor I; Platelet PAI; t-PA inhibitor
Authority: Isth/SSc93

Plasma—
Plasminogen activator inhibitor 1;
substance concentration(imm.; procedure)
P-Plasminogen activator inhibitor 1; subst.c.(imm.; procedure) = 0.2 nmol/l
M = 52,000 g/mol
Not recommended term(s): Endothelial cell type PAI; Fast acting PAI; PAI 1; PA-inhibitor I; Platelet PAI; t-PA inhibitor
Authority: ISTH/SSC93

Plasma—
Plasminogen activator inhibitor 1;
substance concentration(enz.; procedure)
P-Plasminogen activator inhibitor 1; subst.c.(enz.; procedure) = 0.2 nmol/l
M = 52,000 g/mol
Not recommended term(s): Endothelial cell type PAI; Fast acting PAI; PAI 1; PA-inhibitor I; Platelet PAI; t-PA inhibitor
Authority: ISTH/SSC93

Plasma—
Plasminogen activator inhibitor 2;
arbitrary substance concentration(enz.; procedure)
P-Plasminogen activator inhibitor 2; arb. subst.c.(enz.; procedure) = a arb. unit/l
M = 60,000 g/mol
Not recommended term(s): PA-inhibitor 2; Placental PAI; PAI 2; u-PA-inhibitor
Authority: ISTH/SSC93

Plasma—
Plasminogen activator inhibitor 2;
arbitrary substance concentration(imm.; procedure)
P-Plasminogen activator inhibitor 2; arb. subst.c.(imm.; procedure) = a arb. unit/l
M = 60,000 g/mol
Not recommended term(s): PA-inhibitor 2; Placental PAI; PAI 2; u-PA-inhibitor
Authority: ISTH/SSC93

Plasma—
Plasminogen activator inhibitor 2;
substance concentration(imm.; procedure)
P-Plasminogen activator inhibitor 2; subst.c.(imm.; procedure) = a mol/l
M = 60,000 g/mol
Not recommended term(s): PA-inhibitor 2; Placental PAI; PAI 2; u-PA-inhibitor
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
arbitrary substance concentration(enz.; procedure)
P-Plasminogen activator, tissue type; arb. subst.c.(enz.; IS 86/670) = 1 int. unit/l
M = 60,000 g/mol
Calibrator: WHO 2nd IS 86/670
Previous calibrator(s): WHO 1st IS 83/517

Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
arbitrary substance concentration(stated time after venistasis; enz.; procedure)
P-Plasminogen activator, tissue type; arb. subst.c.(10 min after venistasis; enz.; IS 86/670) = a int. unit/l
M = 60,000 g/mol
Calibrator: WHO 2nd IS 86/670
Previous calibrator(s): WHO 1st IS 83/517
Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
substance concentration(enz.; procedure)
P-Plasminogen activator, tissue type; subst.c.(enz.; procedure) = 15 pmol/l
M = 60,000 g/mol
Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
substance concentration(imm.; procedure)
P-Plasminogen activator, tissue type; subst.c.(imm.; procedure) = 70 pmol/l
M = 60,000 g/mol
Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
substance concentration(stated time after venistasis; enz.; procedure)
P-Plasminogen activator, tissue type; subst.c.(10 min after venistasis; enz.; procedure) = a pmol/l
M = 60,000 g/mol
Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma—
Plasminogen activator, tissue type;
substance concentration(stated time after venistasis; imm.; procedure)
P-Plasminogen activator, tissue type; subst.c.(10 min after venistasis; imm.; procedure) = 210 pmol/l
M = 60,000 g/mol
Not recommended term(s): Blood plasminogen activator; t-PA; Tissue plasminogen activator; Vascular plasminogen activator
Authority: ISTH/SSC93

Plasma–
Plasminogen activator, tissue type-Plasminogen activator inhibitor 1 complex;
substance concentration(imm.; procedure)
P-Plasminogen activator, tissue type-Plasminogen activator inhibitor 1 complex; subst.c.(imm.; procedure) = 100 pmol/l
 $M = 110,000$ g/mol
Not recommended term(s): t-PA-PAI 1-complex
Authority: ISTM/SSC93

Plasma–
Plasminogen activator, tissue type-Plasminogen activator inhibitor 1 complex;
substance concentration
(stated time after venistasis; imm.; procedure)
P-Plasminogen activator, tissue type-Plasminogen activator inhibitor 1 complex; subst.c.(10 min after venistasis; imm.; procedure) = 250 pmol/l
 $M = 110,000$ g/mol
Not recommended term(s): t-PA-PAI 1-complex
Authority: ISTM/SSC93

Plasma–
Plasminogen activator, urokinase type;
arbitrary substance concentration(procedure)
P-Plasminogen activator, urokinase type; arb. subst.c.(1st IS 87/594) = a int. unit/l
Calibrator: WHO 1st IS 87/594
Previous calibrator(s): WHO IRP 66/46
Not recommended term(s): UK; u-PA; Urokinase
Authority: ISTM/SSC93

Plasma–
Platelet antibody;
arbitrary substance concentration(procedure)
P-Platelet antibody; arb. subst.c.(procedure) = a arb. unit/l
Not recommended term(s): Platelet specific alloantibody; Platelet autoantibody
Authority: ISTM/SSC93

Plasma–
Platelet factor 4;
arbitrary substance concentration(procedure)
P-Platelet factor 4; arb. subst.c.(IS 83/505) = a int. unit/l
 $M = 7,800$ g/mol
Calibrator: WHO 1st IS 83/505
Not recommended term(s): PI-factor 4; Thrombocyte type heparin inactivator
Authority: ISTM/SSC93

Plasma–
Platelet factor 4;
substance concentration
P-Platelet factor 4; subst.c.= a mol/l
 $M = 7,800$ g/mol
Not recommended term(s): PI-factor 4; Thrombocyte type heparin inactivator
Authority: ISTM/SSC93

Blood –
Platelets;
number concentration
B-Platelets; num.c. = $250 \cdot 10^9/l$
Authority: ISTM/SSC93

Plasma–
Prokallikrein;
arbitrary substance concentration(enz.; procedure)
P-Prokallikrein; arb. subst.c.(enz.; procedure) = a arb. unit/l
 $M = 86,000$ g/mol
Not recommended term(s): Fletcher factor; Prekallikrein; Prokininogenase; PK
Authority: ISTM/SSC93

Plasma–
Prokallikrein;
substance concentration
P-Prokallikrein; subst.c.= $0.5 \mu\text{mol/l}$
 $M = 86,000$ g/mol
Not recommended term(s): Fletcher factor; Prekallikrein; Prokininogenase; PK
Authority: ISTM/SSC93

Plasma–
Proplasminogen activator, urokinase type;
substance concentration
P-Proplasminogen activator, urokinase type; subst.c.= 80 pmol/l
 $M = 54,000$ g/mol
Not recommended term(s): UK; u-PA; Urokinase
Authority: ISTM/SSC93

Plasma–
6-keto-
Prostaglandin F1 α ;
substance concentration
P-6-keto-Prostaglandin F1 α ; subst.c.= a mol/l
 $M = 370.5$ g/mol
Authority: IFCC-IUPAC94

Plasma–
Protein C;
arbitrary substance concentration(coag.; procedure)
P-Protein C; arb. subst.c.(coag.; IS 86/622) = 1 k (int. unit)/l
 $M = 57,000$ g/mol
Calibrator: WHO 1st IS 86/622
Not recommended term(s): Autoprothrombin II-A
Authority: ISTM/SSC93

Plasma–
Protein C;
arbitrary substance concentration(enz.; procedure)
P-Protein C; arb. subst.c.(enz.; IS 86/622) = 1 k (int. unit)/l
 $M = 57,000$ g/mol
Calibrator: WHO 1st IS 86/622
Not recommended term(s): Autoprothrombin II-A
Authority: ISTM/SSC93

Plasma–
Protein C;
substance concentration(imm.; procedure)
P–Protein C; subst.c.(imm.; procedure) = 70 nmol/l
 $M = 57,000$ g/mol
Not recommended term(s): Autoprothrombin II-A
Authority: Isth/SSC93

Plasma–
Protein C, activated inhibitor;
substance concentration
P–Protein C,a inhibitor; subst.c.= a pmol/l
 $M = 57,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein C+acarboxy;
substance concentration(imm.; procedure)
P–Protein C+acarboxy; subst.c.(imm.; procedure) = 70 nmol/l
 $M = 57,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S;
arbitrary substance concentration(coag.; procedure)
P–Protein S; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S;
arbitrary substance concentration(enz.; procedure)
P–Protein S; arb. subst.c.(enz.; procedure) = a arb. unit/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S;
substance concentration(imm.; procedure)
P–Protein S; subst.c.(imm.; procedure) = 300 nmol/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S (free);
substance concentration(coag.; procedure)
P–Protein S (free); subst.c.(coag.; procedure) = 120 nmol/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S (free);
substance concentration(imm.; procedure)
P–Protein S (free); subst.c.(imm.; procedure) = 120 nmol/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S+acarboxy;
substance concentration(imm.; procedure)

P–Protein S+acarboxy; subst.c.(imm.; procedure) = 300 nmol/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Protein S+acarboxy (free);
substance concentration(imm.; procedure)
P–Protein S+acarboxy(free); subst.c.(imm.; procedure) =
120 nmol/l
 $M = 75,000$ g/mol
Authority: Isth/SSC93

Plasma–
Prothrombin;
arbitrary substance concentration(coag.; procedure)
P–Prothrombin; arb. subst.c.(coag.; procedure) = a arb. unit/l
 $M = 68,700$ g/mol
Not recommended term(s): Coagulation factor II
Authority: Isth/SSC93

Plasma–
Prothrombin;
substance concentration(imm.; procedure)
P–Prothrombin; subst.c.(imm.; procedure) = 1.5 μ mol/l
 $M = 68,700$ g/mol
Not recommended term(s): Coagulation factor II
Authority: Isth/SSC 93

Plasma–
Prothrombin+acarboxy;
substance concentration(imm.; procedure)
P–Prothrombin+acarboxy; subst.c.(imm.; procedure) =
1.5 μ mol/l
 $M = 68,700$ g/mol
Authority: Isth/SSC93

Plasma–
Streptokinase antibody;
arbitrary substance concentration(procedure)
P–Streptokinase antibody; arb. subst.c.(coagulum lysis) = a arb.
unit/l
Not recommended term(s): Streptokinase inhibitor; Streptokinase
resistance
Authority: Isth/SSC93

Plasma–
Thrombin-Antithrombin complex;
substance concentration
P–Thrombin-Antithrombin complex; subst. c = 30 pmol/l
 $M = 103,000$ g/mol
Not recommended term(s): Thrombin-Thrombin inhibitor I complex
Authority: Isth/SSC93

Plasma–
Thrombocyte antibody;
arbitrary substance concentration(procedure)
P–Thrombocyte antibody; arb. subst.c.(procedure) = a arb. unit/l
Not recommended term(s): Thrombocyte specific alloantibody;
Thrombocyte autoantibody
Authority: Isth/SSC93

Plasma-
Thrombocyte factor 4;
arbitrary substance concentration(procedure)
P-Thrombocyte factor 4; arb. subst.c.(IS 83/505) = a int. unit/l
 $M = 7,800 \text{ g/mol}$
Calibrator: WHO 1st IS 83/505
Not recommended term(s): PI-factor 4; Thrombocyte type heparin inactivator
Authority: Isth/SSC93

Plasma-
Thrombocyte factor 4;
substance concentration
P-Thrombocyte factor 4; subst.c.= a mol/l
 $M = 7,800 \text{ g/mol}$
Not recommended term(s): PI-factor 4; Thrombocyte type heparin inactivator
Authority: Isth/SSC93

Blood -
Thrombocytes;
number concentration
B-Thrombocytes; num.c. = $250 \cdot 10^9/l$
Authority: IFCC-IUPAC94

Plasma-
Thromboglobulin;
arbitrary substance concentration(procedure)
P-Thromboglobulin; arb. subst.c.(IS 83/501) = a int. unit/l
 $M = 8800 \text{ g/mol}$
Calibrator: WHO 1st IS 83/501
Authority: Isth/SSC93

Plasma-
Thromboglobulin;
substance concentration
P-Thromboglobulin; subst.c.= a mol/l
 $M = 8800 \text{ g/mol}$
Authority: Isth/SSC93

Plasma-
Thromboxane B2;
substance concentration
P-Thromboxane B2; subst.c.= a mol/l
 $M = 370.5 \text{ g/mol}$
Authority: Isth/SSC93

Plasma-
Tissue-factor-pathway coagulation inhibitor;
arbitrary substance concentration(coag.; procedure)
P-Tissue-factor-pathway coagulation inhibitor; arb. subst. c. (coag.; procedure) = a arb. unit/l
 $M = 40,000 \text{ g/mol}$
Not recommended term(s): Extrinsic pathway inhibitor; EPI; Lipo-protein associated coagulation inhibitor; LACI
Authority: Isth/SSC93

Plasma-
Tissue-factor-pathway coagulation inhibitor;
arbitrary substance concentration(enz.; procedure)

P-Tissue-factor-pathway coagulation inhibitor; arb. subst.c.(enz.; procedure) = a arb. unit/l
 $M = 40,000 \text{ g/mol}$
Not recommended term(s): Extrinsic pathway inhibitor; EPI; Lipo-protein associated coagulation inhibitor; LACI
Authority: Isth/SSC93

Plasma-
Tissue-factor-pathway coagulation inhibitor;
arbitrary substance concentration(imm.; procedure)
P-Tissue-factor-pathway coagulation inhibitor; arb. subst.c.(imm.; procedure) = a arb. unit/l
 $M = 40,000 \text{ g/mol}$
Not recommended term(s): Extrinsic pathway inhibitor; EPI; Lipo-protein associated coagulation inhibitor; LACI
Authority: Isth/SSC93

Plasma-
Tissue-factor-pathway coagulation inhibitor;
relative substance concentration(imm.; actual/norm)
P-Tissue-factor-pathway coagulation inhibitor; rel. subst.c.(imm.; actual/norm) = 1.2
 $M = 40,000 \text{ g/mol}$
Not recommended term(s): Extrinsic pathway inhibitor; EPI; Lipo-protein associated coagulation inhibitor; LACI
Authority: Isth/SSC93

Plasma-
Tissue-factor-pathway coagulation inhibitor;
substance concentration(imm.; procedure)
P-Tissue-factor-pathway coagulation inhibitor; subst.c.(imm.; procedure) = 2.5 nmol/l
 $M = 40,000 \text{ g/mol}$
Not recommended term(s): Extrinsic pathway inhibitor; EPI; Lipo-protein associated coagulation inhibitor; LACI
Authority: Isth/SSC93

Plasma-
Tissue thromboplastin factor;
substance concentration(imm.; procedure)
P-Tissue thromboplastin factor; subst.c.(imm.; procedure) = a mol/l
 $M = 47,000 \text{ g/mol}$
Not recommended term(s): Coagulation factor III; TF; Thromboplastin
Authority: Isth/SSC93

Plasma-
Vitronectin;
substance concentration
P-Vitronectin; subst.c.= $5 \mu\text{mol/l}$
 $M = 75,000 \text{ g/mol}$
Not recommended term(s): Epibolin; S-protein; Serum-spreading factor
Authority: Isth/SSC93

Plasma-
Von Willebrand factor;
arbitrary substance concentration(adhesion; procedure)
P-Von Willebrand factor; arb. subst.c.(adhesion; procedure) =

a arb. unit/l

Not recommended term(s): Von Willebrand factor activity; ristocetin cofactor activity

Authority: ISTH/SSC93

Note: Component subunits in series of multimers

Plasma-

Von Willebrand factor;

arbitrary substance concentration(imm.; procedure)

P-Von Willebrand factor; arb. subst.c.(imm.; IS 91/666) = 1 k(int. unit)/l

Calibrator: WHO 3rd IS 91/666

Previous calibrator(s): WHO 2nd IS 87/718

Not recommended term(s): AHF-like antigen; Factor VIII:ag; Factor VIII-related antigen

Authority ISTH/SSC93

Note: Component subunits in series of multimers

Plasma-

Von Willebrand factor;

arbitrary substance concentration(ristocetin cofactor activity; procedure)

P-Von Willebrand factor; arb. subst.c.(rist. cofact. act.; IS 91/666) = a int. unit/l

Calibrator: WHO 3rd IS 91/666

Previous calibrator(s): WHO 2nd IS 87/718

Not recommended term(s): Von Willebrand factor activity

Authority: ISTH/SSC93

Plasma-

Von Willebrand factor antibody;

arbitrary substance concentration(ristocetin cofactor activity inhibition; procedure)

P-Von Willebrand factor antibody; arb. subst.c.(rist. cofact. act. inh.; procedure) = a arb. unit/l

Authority: ISTH/SSC93

Plasma-

Von Willebrand factor multimers;

arbitrary substance concentration(imm. blott.; procedure)

P-Von Willebrand factor multimers; arb. subst.c.(imm. blott.; procedure; 0 1 2 3 arb. unit) = 2 arb. unit

Authority: ISTH/SSC93

Plasma-

Von Willebrand factor multimers(large);

arbitrary substance concentration(imm. blott.; procedure)

P-Von Willebrand factor multimers (large); arb. subst.c.(imm. blott.; procedure; 0 1 2 3 arb. unit) = 2 arb. unit

authority: ISTH/SSC93

Plasma-

Von Willebrand factor multimers(small);

arbitrary substance concentration(imm. blott.; procedure)

P-Von Willebrand factor multimers (small); arb. subst.c.(imm. blott.; procedure; 0 1 2 3 arb. unit) = 2 arb. unit

Authority: ISTH/SSC93

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