

Standards for Pathology Informatics in Australia (SPIA)

Reporting Terminology and Codes Haematology

(v3.0)

Superseding and incorporating the
Australian Pathology Units and Terminology Standards
and Guidelines (APUTS)



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Standards for Pathology Informatics in Australia (SPIA)

Previously known as the Australian Pathology Units and Terminology Standards and Guidelines (APUTS)

Haematology reporting terminology reference set

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Document History:

Version	Reason for Change	Author	Date
1.0	Initial Terminology for Reporting Pathology for Haematology, published by the RCPA Pathology Units and Terminology Standardisation Project.	Michael Legg / Dr Christiaan Swanepoel	12-Feb-13
2.0	Added Document Revision History worksheet. Changed filename from " <i>PUTS Haematology LOINC and UNITS terminology reference set</i> " to " <i>APUTS Haematology terminology reference set</i> ". Updated Terminology for Reporting Path worksheet for the following: Removed heading, and placed it on this worksheet. Removed columns that were used during reviewing the Loinc codes. Added Length column. This is the number of characters for the "Preferred term" column. Also added LOINC Long Name columns to the view. Changed "PUTS Unit" to "Unit".	Donna Moore	06-Jun-14
2.1	Add licence information.	Donna Moore	2-May-16
3.0	Changes in this version include: - Removed duplicate line for Malaria parasites stages. - Added new LOINC codes and updated 'Terminology for Haematology' tab, refer to those marked with '3.0' in the Version field for the list of changes. - Added the UCUM column. Includes changes after Public comment, refer to 3.0 in the ver field.	Donna Moore	10-Jan-17

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RCPA Preferred term	RCPA Synonyms	Usage guidance	Length	Specimen	Unit	UCUM	LOINC	Component	Property	Timing	System	Scale	Method	LongName	Version	History
Activated partial thromboplastin time	APTT		38	Platelet poor plasma	s	s	14979-9	Coagulation surface induced	Time	Pt	PPP	Qn	Coag	Activated partial thromboplastin time (aPTT) in Platelet poor plasma by Coagulation assay	1.0	
Activated protein C resistance	APCR		30	Platelet poor plasma	No unit	{ratio}	13590-5	Activated protein C resistance	TRto	Pt	PPP	Qn	Coag	Activated protein C resistance [Time Ratio] in Platelet poor plasma by Coagulation assay	1.0	
Anti Xa levels			14	Platelet poor plasma	U/mL	U/mL	32684-3	Heparin.low molecular weight	ACnc	Pt	PPP	Qn		LMW Heparin [Units/volume] in Platelet poor plasma	1.0	
Antibody identification	Ab		23	Serum/Plasma	No unit		888-8	Blood group antibodies identified	Prid	Pt	Ser/Plas	Nom		Blood group antibodies identified in Serum or Plasma	1.0	
Antithrombin	AT; ATIII		12	Platelet poor plasma	%	%	27811-9	Antithrombin actual/Normal	RelCnc	Pt	PPP	Qn	Chromo	Antithrombin actual/normal in Platelet poor plasma by Chromogenic method	1.0	
Basophils	Baso		10	Blood	10 ⁹ /L	10 ⁹ /L	26444-0	Basophils	NCnc	Pt	Bld	Qn		Basophils [# /volume] in Blood	1.0	
Basophils	% Basophils		10	Blood	%	%	30180-4	Basophils/100 leukocytes	NFr	Pt	Bld	Qn		Basophils/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Blasts	Absolute Blasts; Abs Blasts		6	Blood	10 ⁹ /L	10 ⁹ /L	708-8	Blasts	NCnc	Pt	Bld	Qn	Manual count	Blasts [# /volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Blasts	% Blasts		6	Blood	%	%	709-6	Blasts/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Blasts/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Blood film examination	Film		22	Blood	No unit		18314-5	Morphology	Imp	Pt	Bld	Nar		Morphology [interpretation] in Blood Narrative	1.0	
Blood group	Group		11	Blood	No unit		882-1	ABO & Rh group	Type	Pt	Bld	Nom		ABO & Rh group [Type] in Blood	3.0	3.0 - Changed Component field from ABO+Rh group 1.0 - Added by PUTS project
Blood group antibody screen	Screen		27	Serum/Plasma	No unit		890-4	Blood group antibody screen	PrThr	Pt	Ser/Plas	Ord		Blood group antibody screen [Presence] in Serum or Plasma	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Cold agglutinins	Cold aggs	For qualitative reporting	16	Serum/Plasma	No unit		32672-8	Cold agglutinin	PrThr	Pt	Ser/Plas	Ord		Cold agglutinin [Presence] in Serum or Plasma	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Cold agglutinins	Cold aggs		16	Serum/Plasma	titre	{titre}	14658-9	Cold agglutinin	Titr	Pt	Ser/Plas	Qn		Cold agglutinin [Titer] in Serum or Plasma	1.0	
D-Dimer	DDU		7	Platelet poor plasma	mg/L	mg/L	48065-5	Fibrin D-dimer DDU	MCnc	Pt	PPP	Qn		Fibrin D-dimer DDU [Mass/volume] in Platelet poor plasma	1.0	
D-Dimer	FEU		7	Platelet poor plasma	mg/L	mg/L	48065-7	Fibrin D-dimer FEU	MCnc	Pt	PPP	Qn		Fibrin D-dimer FEU [Mass/volume] in Platelet poor plasma	1.0	
D-Dimer	For qualitative reporting		7	Platelet poor plasma	No unit		15179-5	Fibrin D-dimer	PrThr	Pt	PPP	Ord		Fibrin D-dimer [Presence] in Platelet poor plasma	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Dilute Russel viper venom ratio	DRVVT		31	Platelet poor plasma	No unit		15359-3	Coagulation dilute Russell viper venom induced actual/Normal	RelTime	Pt	PPP	Qn	Coag	Dilute Russell viper venom time (dRVVT) actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Direct antiglobulin test	DAT; Coomb's		24	Red blood cells	No unit		1007-4	Direct antiglobulin test.poly specific reagent	PrThr	Pt	RBC	Ord		Direct antiglobulin test.poly specific reagent [Presence] on Red Blood Cells	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Donath-Landsteiner test			23	Blood	No unit		18286-5	Donath Landsteiner Ab	PrThr	Pt	Bld	Ord		Donath Landsteiner Ab [Presence] in Blood	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Echis time			10	Platelet poor plasma	s	s	60242-5	Coagulation ecarin induced	Time	Pt	PPP	Qn	Coag	Ecarin clotting time (ECT) [Time] in Platelet poor plasma by Coagulation assay	1.0	
Eosinophils	Eosin; eos		12	Blood	10 ⁹ /L	10 ⁹ /L	26449-9	Eosinophils	NCnc	Pt	Bld	Qn		Eosinophils [# /volume] in Blood	1.0	
Eosinophils	% Eosinophils		12	Blood	%	%	26450-7	Eosinophils/100 leukocytes	NFr	Pt	Bld	Qn		Eosinophils/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Erythrocyte sedimentation rate	ESR		30	Blood	mm/h	mm/h	30341-2	Erythrocyte sedimentation rate	Vel	Pt	Bld	Qn		Erythrocyte sedimentation rate	1.0	
Erythropoietin	EPO		14	Serum/Plasma	IU/L	{IU}/L	15061-5	Erythropoietin	Acnc	Pt	Ser/Plas	Qn		Erythropoietin (EPO) [Units/volume] in Serum or Plasma	3.0	3.0 - Change LOINC from 14714-0, as this code is now discouraged.
Factor IX	fix	Reporting in U/mL	9	Platelet poor plasma	U/mL	U/mL	3188-0	Coagulation factor IX activity	ACnc	Pt	PPP	Qn	Chromo	Coagulation factor IX activity [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Factor IX	fX	Reporting in %	9	Platelet poor plasma	%	%	3187-2	Coagulation factor IX activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor IX activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor V	fV	Reporting in U/mL	8	Platelet poor plasma	U/mL	U/mL	3192-2	Coagulation factor V activated activity	ACnc	Pt	PPP	Qn	Coag	Coagulation factor V activated [Units/volume] in Platelet poor plasma by Coagulation assay	1.0	
Factor V	fV	Reporting in %	8	Platelet poor plasma	%	%	3193-0	Coagulation factor V activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor V activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor V mutation (Leiden)	FVL		26	Blood	No unit		21668-9	F5 gene.p.R506Q	PrThr	Pt	Bld/Tiss	Ord	Molgen	F5 gene p.R506Q [Presence] in Blood or Tissue by Molecular genetics method	3.0	3.0 - Changed Property field from Arb 1.0 - Added by PUTS project
Factor VII	fVII	Reporting in U/mL	10	Platelet poor plasma	U/mL	U/mL	3199-7	Coagulation factor VII activity	ACnc	Pt	PPP	Qn	Chromo	Coagulation factor VII activity [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Factor VII	fVII	Reporting in %	10	Platelet poor plasma	%	%	3198-9	Coagulation factor VII activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor VII activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor VIII	fVIII	Reporting in %	11	Platelet poor plasma	%	%	3209-4	Coagulation factor VIII activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor VIII activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor VIII	fVIII	Reporting in U/mL	11	Platelet poor plasma	U/mL	U/mL	3208-6	Coagulation factor VIII activated activity	ACnc	Pt	PPP	Qn	Coag	Coagulation factor VIII activated [Units/volume] in Platelet poor plasma by Coagulation assay	1.0	
Factor VIII Inhibitor	fVIII inhibitor		21	Platelet poor plasma	Bethesda U	{beth'U}	3204-5	Coagulation factor VIII inhibitor	ACnc	Pt	PPP	Qn	Coag	Coagulation factor VIII inhibitor [Units/volume] in Platelet poor plasma by Coagulation assay	1.0	
Factor X	fX	Reporting in U/mL Chromogenic	8	Platelet poor plasma	U/mL	U/mL	3219-3	Coagulation factor X activity	ACnc	Pt	PPP	Qn	Chromo	Coagulation factor X activity [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Factor X	fX	Reporting in % Chromogenic	8	Platelet poor plasma	%	%	33984-6	Coagulation factor X activity actual/Normal	RelCnc	Pt	PPP	Qn	Chromo	Coagulation factor X activity actual/normal in Platelet poor plasma by Chromogenic method	1.0	
Factor X	fX	Reporting in % Coag method	8	Platelet poor plasma	%	%	3218-5	Coagulation factor X activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor X activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor XI	fXI	Reporting in U/mL	9	Platelet poor plasma	U/mL	U/mL	3227-6	Coagulation factor XI activity	ACnc	Pt	PPP	Qn	Chromo	Coagulation factor XI activity [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Factor XI	fXI	Reporting in %	9	Platelet poor plasma	%	%	3226-8	Coagulation factor XI activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor XI activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Factor XII	fXII	Reporting in U/mL	10	Platelet poor plasma	U/mL	U/mL	3233-4	Coagulation factor XII activity	ACnc	Pt	PPP	Qn	Chromo	Coagulation factor XII activity [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Factor XII	fXII	Reporting in %	10	Platelet poor plasma	%	%	3232-6	Coagulation factor XII activity actual/Normal	RelTime	Pt	PPP	Qn	Coag	Coagulation factor XII activity actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Fibrinogen	factor I		10	Platelet poor plasma	g/L	g/L	3255-7	Fibrinogen	MCnc	Pt	PPP	Qn	Coag	Fibrinogen [Mass/volume] in Platelet poor plasma by Coagulation assay	1.0	
Foetomaternal haemorrhage	FMH; Kleihauer	Reporting volume	26	Blood	mL	mL	48555-7	Fetal blood	Vol	Pt	^Patient	Qn	Kleihauer-Betke	Fetal blood [Volume] by Kleihauer-Betke method	1.0	
Foetomaternal haemorrhage	FMH	For qualitative reporting	26	Blood	No unit		14276-0	Hemoglobin F distribution	Imp	Pt	Bld	Nom		Hemoglobin F distribution [interpretation] in Blood by Kleihauer-Betke method	1.0	
Foetomaternal haemorrhage	FMH	Flow cytometry method reporting in %	26	Blood	%	%	55729-8	Erythrocytes.fetal/100 erythrocytes	Ratio	Pt	Bld	Qn	Flow cytometry	Erythrocytes.fetal/100 erythrocytes [Ratio] in Blood by Flow cytometry (FC)	1.0	
Glucose-6-Phosphate Dehydrogenase	G6PD	For qualitative reporting	33	Red blood cells	No unit		2356-4	Glucose-6-Phosphate dehydrogenase	PrThr	Pt	RBC	Ord		Glucose-6-Phosphate dehydrogenase [Presence] in Red Blood Cells	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Glucose-6-Phosphate Dehydrogenase	G6PD		33	Red blood cells	U/g	U/g	2357-2	Glucose-6-Phosphate dehydrogenase	CCnc	Pt	RBC	Qn		Glucose-6-Phosphate dehydrogenase [Enzymatic activity/volume] in Red Blood Cells	1.0	
Haematocrit	Hct		11	Blood	L/L	L/L	4544-3	Haematocrit	VFr	Pt	Bld	Qn	Automated count	Haematocrit [Volume Fraction] of Blood by Automated count	1.0	
Haemoglobin	Hb		11	Blood	g/L	g/L	718-7	Hemoglobin	MCnc	Pt	Bld	Qn		Hemoglobin [Mass/volume] in Blood	1.0	
Haemoglobin A2	HbA2		14	Blood	%	%	4551-8	Hemoglobin A2/Hemoglobin.total	MFr	Pt	Bld	Qn		Hemoglobin A2/Hemoglobin.total in Blood	1.0	
Haemoglobin F	HbF		13	Blood	%	%	4576-5	Hemoglobin F/Hemoglobin.total	MFr	Pt	Bld	Qn		Hemoglobin F/Hemoglobin.total in Blood	1.0	
Haemoglobin H	HbH		13	Blood	%	%	4588-0	Hemoglobin H/Hemoglobin.total	MFr	Pt	Bld	Qn		Hemoglobin H/Hemoglobin.total in Blood	1.0	
Haemoglobin plasma	Hb plasma		18	Plasma	mg/L	mg/L	721-1	Hemoglobin.free	MCnc	Pt	Plas	Qn		Free Hemoglobin [Mass/volume] in Plasma	1.0	
Haemosiderin urine		For qualitative reporting	18	Urine	No unit		4644-1	Haemosiderin	PrThr	Pt	Urine	Ord		Haemosiderin [Presence] in Urine	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Haptoglobin			11	Serum/Plasma	g/L	g/L	4542-7	Haptoglobin	MCnc	Pt	Ser/Plas	Qn		Haptoglobin [Mass/volume] in Serum or Plasma	1.0	
Heinz bodies		For qualitative reporting	12	Blood	No unit		716-1	Heinz bodies	PrThr	Pt	Bld	Ord	Microscopy.light	Heinz bodies [Presence] in Blood by Light microscopy	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Heinz bodies			13	Blood	%	%	40718-9	Heinz bodies/100 erythrocytes	NFr	Pt	Bld	Qn		Heinz bodies/100 erythrocytes in Blood	1.0	
Heparin-induced thrombocytopenia	HITS; HITTS		33	Serum	No unit		34701-3	Platelet Ab.heparin induced	PrThr	Pt	Ser	Ord		Heparin induced platelet Ab [Presence] in Serum	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project

Standards for Pathology Informatics in Australia (SPIA)

Haematology reporting terminology reference set

RCPA Preferred term	RCPA Synonyms	Usage guidance	Length	Specimen	Unit	UCUM	LOINC	Component	Property	Timing	System	Scale	Method	LongName	Version	History
Unfractionated heparin			22	Platelet poor plasma	U/mL	U/mL	66483-9	Heparin.unfractionated	ACnc	Pt	PPP	Qn		Heparin unfractionated [Units/volume] in Platelet poor plasma	3.0	3.0 - Added by PITUS-16 Working group 3
Infectious mononucleosis screen	IM	For qualitative reporting	31	Serum/Plasma	No unit		31418-7	Heterophile Ab	PrThr	Pt	Ser	Ord		Heterophile Ab [Presence] in Serum	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
INR	INR		3	Platelet poor plasma	No unit	(INR)	6301-6	Coagulation tissue factor induced.INR	RelTime	Pt	PPP	Qn	Coag	INR in Platelet poor plasma by Coagulation assay	1.0	
Kaolin clotting time	KCT		20	Platelet poor plasma	s	s	48344-6	Activated clotting time	Time	Pt	PPP	Qn	Coag.kaolin induced	Kaolin activated time in Platelet poor plasma	1.0	3.0 - Chaned Component field from Coagulation kaolin induced. Added Method field. 1.0 - Added by PUTS project
Lymphoblasts			12	Blood	10 ⁹ /L	10 ⁹ /L	33830-1	Lymphoblasts	NCnc	Pt	Bld	Qn	Manual count	Lymphoblasts [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Lymphoblasts			12	Blood	%	%	33831-9	Lymphoblasts/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Lymphoblasts/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Lymphocytes	lymph		12	Blood	10 ⁹ /L	10 ⁹ /L	26474-7	Lymphocytes	NCnc	Pt	Bld	Qn		Lymphocytes [#]/volume] in Blood	1.0	
Lymphocytes	% Lymphocytes		12	Blood	%	%	26478-8	Lymphocytes/100 leukocytes	NFr	Pt	Bld	Qn		Lymphocytes/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Abnormal lymphocytes	Lymphocytes abnormal		20	Blood	10 ⁹ /L	10 ⁹ /L	29262-3	Lymphocytes.abnormal	NCnc	Pt	Bld	Qn	Manual count	Lymphocytes abnormal [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Abnormal lymphocytes	% Lymphocytes abnormal		20	Blood	%	%	29261-5	Lymphocytes.abnormal/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Lymphocytes abnormal/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Atypical lymphocytes	Reactive lymphocytes; Lymphocytes reactive; atyps		20	Blood	10 ⁹ /L	10 ⁹ /L	26477-0	Lymphocytes.variant	NCnc	Pt	Bld	Qn		Lymphocytes Variant [#]/volume] in Blood	3.0	3.0 - Changed preferred term from 'Lymphocytes atypical' 1.0 - Added by PUTS project
Atypical lymphocytes	% Lymphocytes reactive		20	Blood	%	%	735-1	Lymphocytes.variant/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Lymphocytes.Variant/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Lymphoma cells			14	Blood	10 ⁹ /L	10 ⁹ /L	30422-0	Lymphoma cells	NCnc	Pt	Bld	Qn		Lymphoma cells [#]/volume] in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Lymphoma cells	% Lymphoma cells		14	Blood	%	%	24104-2	Lymphoma cells/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Lymphoma cells/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Malaria		For qualitative reporting	7	Blood	No unit		51587-4	Plasmodium sp	PrThr	Pt	Bld	Ord	Microscopy.light	Plasmodium sp [Presence] in Blood by Light microscopy	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
Malaria ICT		Method detecting HRP2	11	Blood	No unit		51865-4	Plasmodium sp Ag	Prid	Pt	Bld	Nom		Plasmodium sp Ag [Identifier] in Blood	1.0	
Malaria ICT		Method detecting LD	12	Blood	No unit		50688-1	Plasmodium sp lactate dehydrogenase	Prid	Pt	Bld	Nom		Plasmodium sp lactate dehydrogenase [Identifier] in Blood	1.0	
Malaria parasite density		Reporting parasites/uL	24	Blood	/uL	/uL	XXXXX-X	Plasmodium sp.density	NCnc	Pt	Bld	Qn		Plasmodium sp.density [#]/uL] in Blood	1.0	
Malaria parasite density		Reporting in %	24	Blood	%	%	53556-7	Erythrocytes.Plasmodium sp infected/100 erythrocytes	NFr	Pt	Bld	Qn		Erythrocytes.Plasmodium sp infected/100 erythrocytes in Blood	1.0	
Malaria parasite stages		Reporting plasmodium stages	23	Blood	No unit		41451-6	Plasmodium stage	Prid	Pt	Bld	Nom	Microscopy.light	Plasmodium stage [Identifier] in Blood by Light microscopy	1.0	
Malaria species		Reporting plasmodium species	15	Blood	No unit		32206-5	Plasmodium sp identified	Prid	Pt	Bld	Nom	Microscopy.light	Plasmodium sp identified in Blood by Light microscopy	1.0	
Mean cell haemoglobin	MCH		21	Red blood cells	pg	pg	785-6	Erythrocyte mean corpuscular hemoglobin	EntMass	Pt	RBC	Qn	Automated count	Erythrocyte mean corpuscular hemoglobin [Entitic mass] by Automated count	1.0	
Mean cell haemoglobin concentration	MCHC		35	Red blood cells	g/L	g/L	786-4	Erythrocyte mean corpuscular hemoglobin concentration	MCnc	Pt	RBC	Qn	Automated count	Erythrocyte mean corpuscular hemoglobin concentration [Mass/volume] by Automated count	1.0	
Mean cell volume	MCV		16	Red blood cells	fL	fL	787-2	Erythrocyte mean corpuscular volume	EntVol	Pt	RBC	Qn	Automated count	Erythrocyte mean corpuscular volume [Entitic volume] by Automated count	1.0	
Metamyelocytes	Absolute Metamyelocytes; Abs Metamyelocytes; Metamyelo		14	Blood	10 ⁹ /L	10 ⁹ /L	739-3	Metamyelocytes	NCnc	Pt	Bld	Qn	Manual count	Metamyelocytes [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Metamyelocytes	% Metamyelocytes; Metamyelo		14	Blood	%	%	740-1	Metamyelocytes/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Metamyelocytes/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Monoblasts			10	Blood	10 ⁹ /L	10 ⁹ /L	33839-2	Monoblasts	NCnc	Pt	Bld	Qn	Manual count	Monoblasts [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Monoblasts			10	Blood	%	%	33840-0	Monoblasts/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Monoblasts/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Monocytes	Mono; Monos		10	Blood	10 ⁹ /L	10 ⁹ /L	26484-6	Monocytes	NCnc	Pt	Bld	Qn		Monocytes [#]/volume] in Blood	1.0	
Monocytes	% Monocytes		10	Blood	%	%	26485-3	Monocytes/100 leukocytes	NFr	Pt	Bld	Qn		Monocytes/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Monocytes abnormal	Abnormal monocytes		18	Blood	10 ⁹ /L	10 ⁹ /L	29260-7	Monocytes.abnormal	NCnc	Pt	Bld	Qn	Manual count	Monocytes Abnormal [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Monocytes abnormal	% abnormal monocytes		18	Blood	%	%	29259-9	Monocytes.abnormal/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Monocytes Abnormal/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Myeloblasts			11	Blood	10 ⁹ /L	10 ⁹ /L	746-8	Myeloblasts	NCnc	Pt	Bld	Qn	Manual count	Myeloblasts [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Myeloblasts			11	Blood	%	%	747-6	Myeloblasts/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Myeloblasts/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Myelocytes	Absolute Myelocytes; Abs Myelocytes		10	Blood	10 ⁹ /L	10 ⁹ /L	748-4	Myelocytes	NCnc	Pt	Bld	Qn	Manual count	Myelocytes [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Myelocytes	% Myelocytes		10	Blood	%	%	749-2	Myelocytes/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Myelocytes/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Neutrophils	Neut; Neuts		12	Blood	10 ⁹ /L	10 ⁹ /L	26499-4	Neutrophils	NCnc	Pt	Bld	Qn		Neutrophils [#]/volume] in Blood	1.0	
Neutrophils	% Neutrophils		12	Blood	%	%	26511-6	Neutrophils/100 leukocytes	NFr	Pt	Bld	Qn		Neutrophils/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Neutrophils band form	Bands; Band neutrophil		21	Blood	10 ⁹ /L	10 ⁹ /L	26507-4	Neutrophils.band form	NCnc	Pt	Bld	Qn		Neutrophils.band form [#]/volume] in Blood	3.0	3.0 - Updated synonyms. 1.0 - Added by PUTS project.
Neutrophils band form	Bands; Band neutrophil		21	Blood	%	%	764-1	Neutrophils.band form/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Neutrophil.band form/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Nucleated red blood cells	NRBC	Absolute count	25	Blood	10 ⁹ /L	10 ⁹ /L	771-6	Erythrocytes.nucleated	NCnc	Pt	Bld	Qn	Automated count	Nucleated erythrocytes [#]/volume] in Blood by Automated count	1.0	
Nucleated red blood cells	NRBC	Reporting in %	25	Blood	%	%	19048-8	Erythrocytes.nucleated/100 leukocytes	Ratio	Pt	Bld	Qn		Nucleated erythrocytes/100 leukocytes [Ratio] in Blood	1.0	
PCT	Plateletocrit		3	Blood			51637-7	Plateletocrit	VFr	Pt	Bld	Qn		Plateletocrit [Volume Fraction] in blood	3.0	3.0 - Added by PITUS-16 Working group 3
Plasma cells	Absolute Plasma cells; Abs Plasma cells		12	Blood	10 ⁹ /L	10 ⁹ /L	24103-4	Plasma Cells	NCnc	Pt	Bld	Qn	Manual count	Plasma cells [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Plasma cells	% Plasma cells		12	Blood	%	%	13047-6	Plasma cells/100 leukocytes	NFr	Pt	Bld	Qn		Plasma cells/100 leukocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Plasmacytoid cells			18	Blood	10 ⁹ /L	10 ⁹ /L	33834-3	Lymphocytes.plasmacytoid	NCnc	Pt	Bld	Qn	Manual count	Lymphocytes Plasmacytoid [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Plasmacytoid cells	% Plasmacytoid cells		18	Blood	%	%	33835-0	Lymphocytes.Plasmacytoid/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Lymphocytes.Plasmacytoid/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Platelet aggregation	Platelet aggs		20	Platelet rich plasma	%	%	13592-1	Platelet aggregation.XXX induced	RelACnc	Pt	PRP	Qn		Platelet aggregation XXX induced in Platelet rich plasma	3.0	3.0 - Changed specimen from 'Platelet poor plasma'; Property field from 'ThrSCnc' 1.0 - Added by PUTS project
Platelet aggregation qualitative			32	Platelet poor plasma	No unit		21027-8	Platelet aggregation	Imp	Pt	PPP	Nom		Platelet aggregation [interpretation] in Platelet poor plasma	1.0	
Platelet count			14	Blood	10 ⁹ /L	10 ⁹ /L	777-3	Platelets	NCnc	Pt	Bld	Qn	Automated count	Platelets [#]/volume] in Blood by Automated count	1.0	
Platelet distribution width	PDW		27	Blood	fL	fL	32207-3	Platelet distribution width	EntVol	Pt	Bld	Qn	Automated count	Platelet distribution width [Entitic volume] in Blood by Automated count	1.0	
Platelet function	PFA-100	For methods with ADP	17	Blood	s	s	24472-3	Platelet function.collagen+Adenosine diphosphate induced	Time	Pt	Bld	Qn		Platelet function (closure time) collagen+ADP induced [Time] in Blood	3.0	3.0 - Changed preferred name from 'Platelet Function' 1.0 - Added by PUTS project
Platelet function	PFA-100	For methods with ADP	17	Blood	s	s	24471-5	Platelet function.collagen+Epinephrine induced	Time	Pt	Bld	Qn		Platelet function (closure time) collagen+Epinephrine induced [Time] in Blood	3.0	3.0 - Changed preferred name from 'Platelet Function' 1.0 - Added by PUTS project
Platelet mean volume	PMV		20	Blood	fL	fL	32623-1	Platelet mean volume	EntVol	Pt	Bld	Qn	Automated count	Platelet mean volume [Entitic volume] in Blood by Automated count	1.0	
Prolymphocytes	Prolymph		14	Blood	10 ⁹ /L	10 ⁹ /L	6863-5	Prolymphocytes	NCnc	Pt	Bld	Qn	Manual count	Prolymphocytes [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Prolymphocytes	% Prolymphocytes; Prolymph		14	Blood	%	%	6746-2	Prolymphocytes/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Prolymphocytes/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Promonocytes			12	Blood	10 ⁹ /L	10 ⁹ /L	33855-8	Promonocytes	NCnc	Pt	Bld	Qn	Manual count	Promonocytes [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Promonocytes			12	Blood	%	%	13599-6	Promonocytes/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Promonocytes/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Promyelocytes	Absolute Promyelocytes; Abs Promyelocytes; Promyelo		13	Blood	10 ⁹ /L	10 ⁹ /L	781-5	Promyelocytes	NCnc	Pt	Bld	Qn	Manual count	Promyelocytes [#]/volume] in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3

Standards for Pathology Informatics in Australia (SPIA)

Haematology reporting terminology reference set

RCPA Preferred term	RCPA Synonyms	Usage guidance	Length	Specimen	Unit	UCUM	LOINC	Component	Property	Timing	System	Scale	Method	LongName	Version	History
Promyelocytes	% Promyelocytes; Promyelo		13	Blood	%	%	783-1	Promyelocytes/100 leukocytes	NFr	Pt	Bld	Qn	Manual count	Promyelocytes/100 leukocytes in Blood by Manual count	3.0	3.0 - Added by PITUS-16 Working group 3
Protein C	PC	Reporting in U/mL	9	Platelet poor plasma	U/mL	U/mL	6006-1	Protein C	ACnc	Pt	PPP	Qn	Chromo	Protein C [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Protein C	PC	Reporting in %	9	Platelet poor plasma	%	%	27819-2	Protein C actual/Normal	RelTime	Pt	PPP	Qn	Coag	Protein C actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Protein S	PS	Reporting in % with chromogenic assay	9	Platelet poor plasma	%	%	31102-7	Protein S actual/Normal	RelCCnc	Pt	PPP	Qn	Chromo	Protein S actual/normal in Platelet poor plasma by Chromogenic method	1.0	
Protein S	PS	Reporting in % with coag assay	9	Platelet poor plasma	%	%	27822-6	Protein S actual/Normal	RelTime	Pt	PPP	Qn	Coag	Protein S actual/normal in Platelet poor plasma by Coagulation assay	1.0	
Protein S	PS	Reporting in U/mL with chromogenic assay	9	Platelet poor plasma	U/mL	U/mL	5893-3	Protein S	ACnc	Pt	PPP	Qn	Chromo	Protein S [Units/volume] in Platelet poor plasma by Chromogenic method	1.0	
Protein S	PS	Reporting in U/mL with coag assay	9	Platelet poor plasma	U/mL	U/mL	5892-5	Protein S	ACnc	Pt	PPP	Qn	Coag	Protein S [Units/volume] in Platelet poor plasma by Coagulation assay	1.0	
Protein S Free	free PS	Reporting in %	14	Platelet poor plasma	%	%	27821-8	Protein S.free Ag actual/Normal	RelMCnc	Pt	PPP	Qn	IA	Protein S Free Ag actual/normal in Platelet poor plasma by Immunologic method	3.0	3.0 - Changed Method field from Imm 1.0 - Added by PUTS project
Protein S Free	free PS	Reporting in U/mL	15	Platelet poor plasma	U/mL	U/mL	4677-1	Protein S.free Ag	ACnc	Pt	PPP	Qn	IA	Protein S Free Ag [Units/volume] in Platelet poor plasma by Immunologic method	3.0	3.0 - Changed Method field from Imm 1.0 - Added by PUTS project
Prothrombin 20210	PT20210		17	Blood	No unit		24475-6	F2 gene.p.G20210A	PrThr	Pt	Bld/Tiss	Ord	Molgen	F2 gene p.G20210A [Presence] in Blood or Tissue by Molecular genetics method	3.0	3.0 - Changed Property field from Arb 1.0 - Added by PUTS project
Prothrombin time	PT		16	Platelet poor plasma	s	s	5902-2	Coagulation tissue factor induced	Time	Pt	PPP	Qn	Coag	Prothrombin time (PT) in Platelet poor plasma by Coagulation assay	1.0	
Red cell count	RCC		14	Blood	10*12/L	10*12/L	789-8	Erythrocytes	NCnc	Pt	Bld	Qn	Automated count	Erythrocytes [#]/volume in Blood by Automated count	1.0	
Red cell distribution width	RDW	%	27	Red blood cells	%	%	788-0	Erythrocyte distribution width	Ratio	Pt	RBC	Qn	Automated count	Erythrocyte distribution width [Ratio] by Automated count	1.0	
Red cell distribution width	RDW	Volume	28	Red blood cells	fl	fl	21000-5	Erythrocyte distribution width	EntVol	Pt	RBC	Qn	Automated count	Erythrocyte distribution width [Entitic volume] by Automated count	1.0	
Reticulocytes	Retic; Retics	Absolute count	13	Blood	10*9/L	10*9/L	14196-0	Reticulocytes	NCnc	Pt	Bld	Qn		Reticulocytes [#]/volume in Blood	1.0	
Reticulocytes	Retic; Retics	Reporting in %	13	Blood	%	%	4679-7	Reticulocytes/100 erythrocytes	NFr	Pt	Bld	Qn		Reticulocytes/100 erythrocytes in Blood	1.0	
Reticulocytes immature	Retics immature		22	Blood	%	%	33516-6	Reticulocytes.immature/Reticulocytes.total	NFr	Pt	Bld	Qn		Reticulocytes.immature/Reticulocytes.total in Blood	1.0	
Thrombin time	TCT; TT		13	Platelet poor plasma	s	s	3243-3	Coagulation thrombin induced	Time	Pt	PPP	Qn	Coag	Thrombin time in Platelet poor plasma by Coagulation assay	1.0	
Von Willebrand factor Ag	vWF:Ag	Reporting in %	24	Platelet poor plasma	%	%	27816-8	von Willebrand factor Ag actual/Normal	RelMCnc	Pt	PPP	Qn	IA	von Willebrand factor (vWf) Ag actual/normal in Platelet poor plasma by Immunologic method	3.0	3.0 - Changed Method field from Imm 1.0 - Added by PUTS project
von Willebrand factor Ag	vWF:Ag	Reporting in U/mL	24	Platelet poor plasma	U/mL	U/mL	6012-9	von Willebrand factor Ag	ACnc	Pt	PPP	Qn	IA	von Willebrand factor (vWf) Ag [Units/volume] in Platelet poor plasma by Immunologic method	3.0	3.0 - Changed Method field from Imm 1.0 - Added by PUTS project
Von Willebrand factor collagen binding	vWF:CBA	Reporting in U/mL	38	Platelet poor plasma	U/mL	U/mL	XXXXX-X	von Willebrand factor.collagen binding activity actual/Normal	ACnc	Pt	PPP	Qn		von Willebrand factor (vWf).collagen binding activity actual/normal [Units/volume] in Platelet poor plasma	1.0	
Von Willebrand factor collagen binding	vWF:CBA	Reporting in %	39	Platelet poor plasma	%	%	50377-1	von Willebrand factor.collagen binding activity actual/Normal	RelRto	Pt	PPP	Qn	IA	von Willebrand factor (vWf).collagen binding activity actual/normal in Platelet poor plasma by Immunoassay	3.0	3.0 - Changed Method field from EIA 1.0 - Added by PUTS project
von Willebrand factor multimers	Multimers		31	Platelet poor plasma	No unit		32217-2	von Willebrand factor multimers	PrThr	Pt	PPP	Ord		von Willebrand factor (vWf) multimers [Presence] in Platelet poor plasma	3.0	3.0 - Changed Property field from ACnc 1.0 - Added by PUTS project
von Willebrand Factor Ristocetin Co-fact	VWF:RCof	Reporting in U/mL	40	Platelet poor plasma	U/mL	U/mL	4680-5	von Willebrand factor.ristocetin cofactor	ACnc	Pt	PPP	Qn		von Willebrand factor (vWf) ristocetin cofactor [Units/volume] in Platelet poor plasma	1.0	
von Willebrand Factor Ristocetin Co-fact	VWF:RCof	Reporting in %	40	Platelet poor plasma	%	%	6014-5	von Willebrand factor.ristocetin cofactor activity actual/Normal	RelTime	Pt	PPP	Qn	Aggr	von Willebrand factor (vWf) ristocetin cofactor actual/normal in Platelet poor plasma by Aggregation	1.0	
VWF:Collagen binding/ VWF:Ag	vWF:CBA/vWF:Ag		28	Platelet poor plasma	No unit		50378-9	von Willebrand factor.collagen binding activity/von Willebrand factor Ag	Ratio	Pt	PPP	Qn	IA	von Willebrand factor (vWf).collagen binding activity/von Willebrand factor Ag [Ratio] in Platelet poor plasma by Immunoassay	3.0	3.0 - Changed Method field from EIA 1.0 - Added by PUTS project
White cell count	WCC		16	Blood	10*9/L	10*9/L	6690-2	Leukocytes	NCnc	Pt	Bld	Qn	Automated count	Leukocytes [#]/volume in Blood by Automated count	1.0	
Corrected white cell count	Corrected WCC	WCC Corrected For Nucleated Red Cells	26	Blood	10*9/L	10*9/L	12227-5	Leukocytes**corrected for nucleated erythrocytes	NCnc	Pt	Bld	Qn		Leukocytes [#]/volume corrected for nucleated erythrocytes in Blood	3.0	3.0 - Added by PITUS-16 Working group 3
Cross match																
Cross match	X match		11				930-8	Blood product reservation	TmStp	Pt	^BPU	Qn		Blood product reservation [Date and time]	1.0	
Cross match	X match		11		No unit		933-2	Blood product type	Type	Pt	^BPU	Nom		Blood product type	1.0	
Cross match	X match		11				934-0	Blood product unit ID	Num	Pt	Dose	Qn		Blood product unit ID [#]	1.0	
Cross match	X match		11		No unit		936-5	Blood product unit identifier	ID	Pt	^BPU	Nom		Blood product unit [Identifier]	1.0	
Cross match	X match		11				43414-2	Blood product units available	Num	Pt	^BPU	Qn		Blood product units available [#]	1.0	
Cross match	X match		11		No unit		925-8	Blood product disposition	Type	Pt	^BPU	Nom		Blood product disposition [Type]	1.0	