

AUSTRALIAN PATHOLOGY UNITS AND TERMINOLOGY

(APUTS)

Reporting Terminology and Codes Immunopathology

(v2.1)



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Terminology for Reporting Pathology: Immunopathology

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Document History:

Version	Reason for Change	Author	Date
1.0	Initial Terminology for Reporting Pathology for Immunopathology, published by the RCPA Pathology Units and Terminology Standardisation Project.	Michael Legg / Dr Christiaan Swanepoel	12-Feb-13
2.0	<p>Added Document Revision History worksheet.</p> <p>Changed filename from "<i>PUTS Immunopathology LOINC and UNITS terminology reference set</i> " to "<i>APUTS Immunopathology terminology reference set</i> "</p> <p>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".</p> <p>Updated Total Protein, as LOINC code and Loinc Information were displaying in the wrong columns.</p> <p>Consolidated "Auto AB", "Immuno chem", "Protein electrophoresis LOINC" and "T cell FCM" worksheets that were in v1, to one worksheet.</p>	Donna Moore	11-Apr-14
2.1	<p>After public feedback and approval by PITUS steering committee the following changes were made:</p> <ul style="list-style-type: none"> - Changed the preferred name to 'Globulin' for LOINC code 10834-0 to match the same test in the Chemical Pathology spreadsheet (was 'Total globulin'). 	Donna Moore	5-Nov-14

- Changed the preferred name to 'C reactive protein' for LOINC code 1988-5 to match the same test in the Chemical pathology spreadsheet (was 'C Reactive protein Routine')

- Changed the preferred name to 'Protein excretion urine 24h' for LOINC code 2889-4 to match the same test in the Chemical pathology spreadsheet (was 'Total protein excretion urine 24h')

- Changed the preferred name to 'Urine volume 24h' for LOINC code 3167-4 to match the same test in the Chemical pathology spreadsheet (was 'Specimen volume urine 24h')

- added comment for missing LOINC codes marked as 'XXXXX-X'. Comment added was 'LOINC code pending. Currently no code is available.'

Preferred term	Synonym(s)	Usage guidance	Length	Specimen	Unit	LOINC	Component	Property	Timing	System	Scale	Method	LOINC Name
Immunopathology: Auto-antibodies													
Acetylcholine receptor Ab	ACHR	For qualitative reporting	25	Serum	No Unit	43625-3	Acetylcholine receptor Ab	ACnc	Pt	Ser	Ord		Acetylcholine receptor Ab (Presence) in Serum
Acetylcholine receptor Ab	ACHR		25	Serum	nmol/L	20427-1	Acetylcholine receptor Ab	SCnc	Pt	Ser	Qn		Acetylcholine receptor Ab [Moles/volume] in Serum
Adrenal Ab		For qualitative reporting	10	Serum	No Unit	141232-3	Adrenal Ab	ACnc	Pt	Ser	Ord		Adrenal Ab (Presence) in Serum
Adrenal Ab			10	Serum	titre	32663-1	Adrenal Ab	Titr	Pt	Ser	Qn		Adrenal Ab [Titer] in Serum
Anti-Neutrophil Cytoplasmic Ab	ANCA	For qualitative reporting	30	Serum	No Unit	17351-8	Neutrophil cytoplasmic Ab	ACnc	Pt	Ser	Ord		Neutrophil cytoplasmic Ab (Presence) in Serum
Anti-Neutrophil Cytoplasmic Ab	ANCA		30	Serum	titre	21023-7	Neutrophil cytoplasmic Ab	Titr	Pt	Ser	Qn		Neutrophil cytoplasmic Ab [Titer] in Serum
Anti-Neutrophil Cytoplasmic Ab	ANCA	For reporting pattern	30	Serum	No Unit	21419-7	Neutrophil cytoplasmic Ab pattern	Imp	Pt	Ser	Nom	IF	Neutrophil cytoplasmic Ab pattern [interpretation] in Serum by immunofluorescence
Antinuclear Ab	ANA	For qualitative reporting	14	Serum	No Unit	80951-4	Nuclear Ab	ACnc	Pt	Ser	Ord		Nuclear Ab (Presence) in Serum
Antinuclear Ab	ANA	For reporting in units	14	Serum	U	19423-5	Nuclear Ab	ACnc	Pt	Ser	Qn	IF	Nuclear Ab [Units/volume] in Serum by immunofluorescence
Antinuclear Ab	ANA	For reporting in titres which is the recommended unit	15	Serum	titre	29953-7	Nuclear Ab	Titr	Pt	Ser	Qn		Nuclear Ab [Titer] in Serum
Antinuclear Ab	ANA	Use for reporting pattern	15	Serum	No Unit	14611-8	Nuclear Ab pattern	Imp	Pt	Ser	Nom		Nuclear Ab pattern [interpretation] in Serum
Beta 2 glycoprotein 1 Ab IgA	B2GPI IgA		28	Serum	U	21108-6	Beta 2 glycoprotein 1 Ab.IgA	ACnc	Pt	Ser	Qn		Beta 2 glycoprotein 1 IgA Ab [Units/volume] in Serum
Beta 2 glycoprotein 1 Ab IgG	B2GPI IgG		28	Serum	U	16135-6	Beta 2 glycoprotein 1 Ab.IgG	ACnc	Pt	Ser	Qn		Beta 2 glycoprotein 1 IgG Ab [Units/volume] in Serum
Beta 2 glycoprotein 1 Ab IgM	B2GPI IgM		28	Serum	U	16136-4	Beta 2 glycoprotein 1 Ab.IgM	ACnc	Pt	Ser	Qn		Beta 2 glycoprotein 1 IgM Ab [Units/volume] in Serum
Cardiolipin IgA Ab	ACL IgA		18	Serum	U/mL	8063-0	Cardiolipin Ab.IgA	ACnc	Pt	Ser	Qn		Cardiolipin IgA Ab [Units/volume] in Serum
Cardiolipin IgG Ab	ACL IgG		18	Serum	U/mL	8065-5	Cardiolipin Ab.IgG	ACnc	Pt	Ser	Qn		Cardiolipin IgG Ab [Units/volume] in Serum
Cardiolipin IgM Ab	ACL IgM		18	Serum	U/mL	8067-1	Cardiolipin Ab.IgM	ACnc	Pt	Ser	Qn		Cardiolipin IgM Ab [Units/volume] in Serum
Centromere Ab	ACA		13	Serum	No Unit	16137-2	Centromere Ab	ACnc	Pt	Ser	Ord		Centromere Ab (Presence) in Serum
Centromere Ab	ACA		13	Serum	titre	42196-6	Centromere Ab	Titr	Pt	Ser	Qn		Centromere Ab [Titer] in Serum
Cyclic citrullinated peptide Ab	CCP		31	Serum	U/mL	53027-9	Cyclic citrullinated peptide Ab	ACnc	Pt	Ser	Qn		Cyclic citrullinated peptide Ab [Units/volume] in Serum
double stranded DNA Ab	dsDNA		22	Serum	IU/mL	5130-0	DNA double strand Ab	ACnc	Pt	Ser	Qn		DNA double strand Ab [Units/volume] in Serum
double stranded DNA Ab	dsDNA	For qualitative reporting	23	Serum	No Unit	31348-6	DNA double strand Ab	ACnc	Pt	Ser	Ord		DNA double strand Ab (Presence) in Serum
Extractable nuclear Ab	ENA		22	Serum	No Unit	14722-3	Extractable nuclear Ab	ACnc	Pt	Ser	Ord		Extractable nuclear Ab (Presence) in Serum
Jo-1 extractable nuclear Ab	ENA JO-1		27	Serum	No Unit	8076-2	Jo-1 extractable nuclear Ab	ACnc	Pt	Ser	Ord		Jo-1 extractable nuclear Ab (Presence) in Serum
PCNA extractable nuclear Ab	ENA PCNA		27	Serum	No Unit	8088-7	PCNA extractable nuclear Ab	ACnc	Pt	Ser	Ord		PCNA extractable nuclear Ab (Presence) in Serum
Ribonucleoprotein extractable nuclear Ab	ENA RNP		40	Serum	No Unit	8091-1	Ribonucleoprotein extractable nuclear Ab	ACnc	Pt	Ser	Ord		Ribonucleoprotein extractable nuclear Ab (Presence) in Serum
SCL-70 extractable nuclear Ab	ENA SCL-70		29	Serum	No Unit	8092-9	SCL-70 extractable nuclear Ab	ACnc	Pt	Ser	Ord		SCL-70 extractable nuclear Ab (Presence) in Serum
Smith extractable nuclear Ab	ENA Sm		28	Serum	No Unit	31627-3	Smith extractable nuclear Ab	ACnc	Pt	Ser	Ord		Smith extractable nuclear Ab (Presence) in Serum
Sjogrens syndrome-A extractable nuclear Ab	ENA SSA		42	Serum	No Unit	8093-7	Sjogrens syndrome-A extractable nuclear Ab	ACnc	Pt	Ser	Ord		Sjogrens syndrome-A extractable nuclear Ab (Presence) in Serum
Sjogrens syndrome-B extractable nuclear Ab	ENA SSB		42	Serum	No Unit	8094-5	Sjogrens syndrome-B extractable nuclear Ab	ACnc	Pt	Ser	Ord		Sjogrens syndrome-B extractable nuclear Ab (Presence) in Serum
Endomysium Ab		For qualitative reporting	14	Serum	No Unit	31365-0	Endomysium Ab	ACnc	Pt	Ser	Ord		Endomysium Ab (Presence) in Serum
Endomysium Ab			14	Serum	titre	14708-2	Endomysium Ab	Titr	Pt	Ser	Qn		Endomysium Ab [Titer] in Serum
F-Actin		For qualitative reporting	7	Serum	No Unit	54020-3	Actin filamentous Ab	ACnc	Pt	Ser/Plas	Ord		Actin filamentous Ab (Presence) in Serum or Plasma
F-Actin			7	Serum	U	54021-1	Actin filamentous Ab	ACnc	Pt	Ser/Plas	Qn		Actin filamentous Ab [Units/volume] in Serum or Plasma
Ganglioside GM1 IgG	GM1 IgG	For qualitative reporting	19	Serum	No Unit	45169-0	Ganglioside GM1 Ab.IgG	ACnc	Pt	Ser	Ord		Ganglioside GM1 IgG Ab (Presence) in Serum
Ganglioside GM1 IgG	GM1 IgG		19	Serum	U/mL	31499-7	Ganglioside GM1 Ab.IgG	ACnc	Pt	Ser	Qn		Ganglioside GM1 IgG Ab [Units/volume] in Serum
Ganglioside GM1 IgM	GM1 IgM	For qualitative reporting	19	Serum	No Unit	44750-8	Ganglioside GM1 Ab.IgM	ACnc	Pt	Ser	Ord		Ganglioside GM1 IgM Ab (Presence) in Serum
Ganglioside GM1 IgM	GM1 IgM		19	Serum	U	31502-8	Ganglioside GM1 Ab.IgM	ACnc	Pt	Ser	Qn		Ganglioside GM1 IgM Ab [Units/volume] in Serum
Ganglioside GQ1b Ab	GM1b Ab		19	Serum	No Unit	17578-6	Ganglioside GQ1b Ab	ACnc	Pt	Ser	Ord		Ganglioside GQ1b Ab (Presence) in Serum
Gladin IgA Ab			14	Serum	U/mL	58709-7	Gladin peptide Ab.IgA	ACnc	Pt	Ser	Qn		Gladin peptide IgA Ab [Units/volume] in Serum
Gladin IgG Ab			14	Serum	U/mL	58710-5	Gladin peptide Ab.IgG	ACnc	Pt	Ser	Qn		Gladin peptide IgG Ab [Units/volume] in Serum
Glomerular basement membrane Ab	GBM	For qualitative reporting with immuno assays	31	Serum	No Unit	63260-6	Glomerular basement membrane Ab	ACnc	Pt	Ser	Ord	EIA	Glomerular basement membrane Ab (Presence) in Serum by Immunoassay
Glomerular basement membrane Ab	GBM	For qualitative reporting with immunofluorescence	31	Serum	No Unit	53260-6	Glomerular basement membrane Ab	ACnc	Pt	Ser	Ord	IF	Glomerular basement membrane Ab (Presence) in Serum by Immunofluorescence
Glomerular basement membrane Ab	GBM	For quantitative reporting in units/mL	31	Serum	U/mL	49774-3	Glomerular basement membrane Ab	ACnc	Pt	Ser	Qn		Glomerular basement membrane Ab [Units/volume] in Serum
Glomerular basement membrane Ab	GBM	For quantitative reporting in titres	31	Serum	titre	53259-8	Glomerular basement membrane Ab	Titr	Pt	Ser	Qn	IF	Glomerular basement membrane Ab [Titer] in Serum by immunofluorescence
Glutamate decarboxylase Ab	GAD		26	Serum	U/mL	13926-1	Glutamate decarboxylase 65 Ab	ACnc	Pt	Ser	Qn		Glutamate decarboxylase 65 Ab [Units/volume] in Serum
Histone Ab		For qualitative reporting	10	Serum	No Unit	80713-3	Histone Ab	ACnc	Pt	Ser	Ord		Histone Ab (Presence) in Serum
Histone Ab			10	Serum	U	30359-4	Histone Ab	ACnc	Pt	Ser	Qn		Histone Ab [Units/volume] in Serum
Intercellular substance Ab	ICCS		26	Serum	No Unit	10865-4	Intercellular substance Ab	ACnc	Pt	Ser	Ord		Intercellular substance Ab (Presence) in Serum
Intrinsic factor Ab	IFA	For qualitative reporting	19	Serum	No Unit	30530-0	Intrinsic factor Ab	ACnc	Pt	Ser	Ord		Intrinsic factor Ab (Presence) in Serum
Intrinsic factor Ab	IFA		19	Serum	U/mL	11564-2	Intrinsic factor Ab	ACnc	Pt	Ser	Qn		Intrinsic factor Ab [Units/volume] in Serum
Islet cell 512 Ab	IJA		17	Serum	U/mL	31209-0	Islet cell 512 Ab	ACnc	Pt	Ser	Qn		Islet cell 512 Ab [Units/volume] in Serum
Islet cell Ab	IJA	For qualitative reporting	13	Serum	No Unit	31547-3	Pancreatic islet cell Ab	ACnc	Pt	Ser	Ord		Pancreatic islet cell Ab (Presence) in Serum
Islet cell Ab	IJA		13	Serum	titre	13927-9	Pancreatic islet cell Ab	Titr	Pt	Ser	Qn		Pancreatic islet cell Ab [Titer] in Serum
Liver kidney microsomal Ab	LKM	For qualitative reporting	26	Serum	No Unit	14272-9	Liver kidney microsomal Ab	ACnc	Pt	Ser	Ord		Liver kidney microsomal Ab (Presence) in Serum
Liver kidney microsomal Ab	LKM	For quantitative reporting in units/mL	26	Serum	U/mL	11566-7	Liver kidney microsomal Ab	ACnc	Pt	Ser	Qn		Liver kidney microsomal Ab [Units/volume] in Serum
Liver kidney microsomal Ab	LKM	For quantitative reporting in titres	26	Serum	titre	9838-4	Liver kidney microsomal Ab	Titr	Pt	Ser	Qn	IF	Liver kidney microsomal Ab [Titer] in Serum by immunofluorescence
Mitochondria Ab	AMA	For qualitative reporting	15	Serum	No Unit	14236-4	Mitochondria Ab	ACnc	Pt	Ser	Ord		Mitochondria Ab (Presence) in Serum
Mitochondria Ab	AMA	For quantitative reporting in units/mL	15	Serum	U/mL	8077-0	Mitochondria Ab	ACnc	Pt	Ser	Qn		Mitochondria Ab [Units/volume] in Serum
Mitochondria Ab	AMA	For quantitative reporting in titres	15	Serum	titre	20483-4	Mitochondria Ab	Titr	Pt	Ser	Qn		Mitochondria Ab [Titer] in Serum
Myelin associated glycoprotein Ab	MAG	For qualitative reporting	33	Serum	No Unit	31521-8	Myelin associated glycoprotein Ab	ACnc	Pt	Ser	Ord		Myelin associated glycoprotein Ab (Presence) in Serum
Myelin associated glycoprotein Ab	MAG		33	Serum	U	31520-0	Myelin associated glycoprotein Ab	ACnc	Pt	Ser	Qn		Myelin associated glycoprotein Ab [Units/volume] in Serum
Myelin associated glycoprotein Ab	MAG		33	Serum	titre	33394-8	Myelin associated glycoprotein Ab	Titr	Pt	Ser	Qn		Myelin associated glycoprotein Ab [Titer] in Serum
Myeloperoxidase Ab	MPO	For qualitative reporting	18	Serum	No Unit	29643-4	Myeloperoxidase Ab	ACnc	Pt	Ser	Ord	EIA	Myeloperoxidase Ab (Presence) in Serum by Immunoassay
Myeloperoxidase Ab	MPO		18	Serum	U/mL	6969-0	Myeloperoxidase Ab	ACnc	Pt	Ser	Qn		Myeloperoxidase Ab [Units/volume] in Serum
Neuronal Ab			11	Serum	No Unit	31533-3	Neuronal Ab	ACnc	Pt	Ser	Ord		Neuronal Ab (Presence) in Serum
Ovarian Ab			10	Serum	No Unit	17393-0	Ovary Ab	ACnc	Pt	Ser	Ord		Ovary Ab (Presence) in Serum
Parietal cell Ab	PCA	For qualitative reporting	16	Serum	No Unit	14241-4	Parietal cell Ab	ACnc	Pt	Ser	Ord		Parietal cell Ab (Presence) in Serum
Parietal cell Ab	PCA		16	Serum	titre	27320-1	Parietal cell Ab	Titr	Pt	Ser	Qn		Parietal cell Ab [Titer] in Serum
Protease 3 Ab	PR3	For qualitative reporting	15	Serum	No Unit	63100-7	Protease 3 Ab	ACnc	Pt	Ser	Ord	EIA	Protease 3 Ab (Presence) in Serum by Immunoassay
Protease 3 Ab	PR3		15	Serum	U/mL	6968-2	Protease 3 Ab	ACnc	Pt	Ser	Qn		Protease 3 Ab [Units/volume] in Serum
Rheumatoid factor	RF		17	Serum	IU/mL	11572-5	Rheumatoid factor	ACnc	Pt	Ser	Qn		Rheumatoid factor [Units/volume] in Serum
Rheumatoid factor	RF	For qualitative reporting	18	Serum	No Unit	33910-1	Rheumatoid factor	ACnc	Pt	Ser	Ord		Rheumatoid factor (Presence) in Serum
Rheumatoid factor joint fluid	RF joint fluid		29	Joint fluid	IU/mL	13634-1	Rheumatoid factor	ACnc	Pt	Synv fld	Qn		Rheumatoid factor [Units/volume] in Synovial fluid
Skin basement membrane Ab			25	Serum	No Unit	31252-0	Basement membrane Ab	ACnc	Pt	Ser	Qn		Basement membrane Ab [Units/volume] in Serum
Smooth muscle Ab	SMA	For qualitative reporting	16	Serum	No Unit	14252-1	Smooth muscle Ab	ACnc	Pt	Ser	Ord		Smooth muscle Ab (Presence) in Serum
Smooth muscle Ab	SMA		16	Serum	titre	5358-7	Smooth muscle Ab	Titr	Pt	Ser	Qn	IF	Smooth muscle Ab [Titer] in Serum by immunofluorescence
Thyroglobulin Ab	TG	For reporting in international units	16	Serum	IU/mL	8098-6	Thyroglobulin Ab	ACnc	Pt	Ser/Plas	Qn		Thyroglobulin Ab [Units/volume] in Serum or Plasma
Thyroglobulin Ab	TG	For reporting in titres	16	Serum	titre	5381-9	Thyroglobulin Ab	Titr	Pt	Ser	Qn	LA	Thyroglobulin Ab [Titer] in Serum by Latex agglutination
Thyroid Peroxidase Ab	TPO	For reporting in international units	22	Serum	IU/mL	8099-4	Thyroperoxidase Ab	ACnc	Pt	Ser/Plas	Qn		Thyroperoxidase Ab [Units/volume] in Serum or Plasma
Thyroid Peroxidase Ab	TPO	For reporting in titres	22	Serum	titre	32786-6	Thyroperoxidase Ab	Titr	Pt	Ser/Plas	Qn		Thyroperoxidase Ab [Titer] in Serum or Plasma
Tissue transglutaminase IgA	TTG IgA	For qualitative reporting	28	Serum	No Unit	35285-6	Tissue transglutaminase Ab.IgA	ACnc	Pt	Ser	Ord		Tissue transglutaminase IgA Ab (Presence) in Serum
Tissue transglutaminase IgA	TTG IgA		28	Serum	U/mL	31017-7	Tissue transglutaminase Ab.IgA	ACnc	Pt	Ser	Qn		Tissue transglutaminase IgA Ab [Units/volume] in Serum
Tissue transglutaminase IgG	TTG IgG		28	Serum	No Unit	53026-1	Tissue transglutaminase Ab.IgG	ACnc	Pt	Ser	Ord		Tissue transglutaminase IgG Ab (Presence) in Serum
TSH Receptor Ab			15	Serum	IU/L	5385-0	Thyrotropin receptor Ab	ACnc	Pt	Ser	Qn		Thyrotropin receptor Ab [Units/volume] in Serum
Immunochemistry													
Immunoglobulin G total	IgG Total		22	Serum	g/L	2465-3	IgG	MCnc	Pt	Ser	Qn		IgG [Mass/volume] in Serum
Immunoglobulin G CSF	IgG CSF		20	CSF	g/L	2464-6	IgG	MCnc	Pt	CSF	Qn		IgG [Mass/volume] in Cerebral spinal fluid
Immunoglobulin G subclass 1	IgG1		31	Serum	g/L	2466-1	IgG subclass 1	MCnc	Pt	Ser	Qn		IgG subclass 1 [Mass/volume] in Serum
Immunoglobulin G subclass 2	IgG2		31	Serum	g/L	2467-9	IgG subclass 2	MCnc	Pt	Ser	Qn		IgG subclass 2 [Mass/volume] in Serum
Immunoglobulin G subclass 3	IgG3		31	Serum	g/L	2468-7	IgG subclass 3	MCnc	Pt	Ser	Qn		IgG subclass 3 [Mass/volume] in Serum

Preferred Item	Synonyms	Usage guidance	Length	Specimen	Unit	LOINC	Component	Property	Timing	System	Scale	Method	LongName
Immunoglobulin G IgG subclass 4	IgG4		31	Serum	g/L	2469-5	IgG subclass 4	MCnc	Pt	Ser	Qn		IgG subclass 4 [Mass/volume] in Serum
Immunoglobulin A	IgA		16	Serum	g/L	2458-8	IgA	MCnc	Pt	Ser	Qn		IgA [Mass/volume] in Serum
Immunoglobulin M	IgM		16	Serum	g/L	2472-9	IgM	MCnc	Pt	Ser	Qn		IgM [Mass/volume] in Serum
Immunoglobulin E Total	IgE		22	Serum	ku/L	19113-0	IgE	ACnc	Pt	Ser	Qn		IgE [Units/volume] in Serum
Complement C1 esterase inhibitor	C1INH		32	Serum	g/L	4477-6	Complement C1 esterase inhibitor	MCnc	Pt	Ser/Plas	Qn		Complement C1 esterase inhibitor [Mass/volume] in Serum or Plasma
Complement C1 esterase inhibitor (functional assay)	C1INH		51	Serum	U/L	XXXXXX	Complement C1 esterase inhibitor.functional	ACnc	Pt	Ser/Plas	Qn		Complement C1 esterase inhibitor.functional [Units/volume] in Serum or Plasma
C reactive protein	CRP		18	Serum	mg/L	1988-5	C reactive protein	MCnc	Pt	Ser/Plas	Qn		C reactive protein [Mass/volume] in Serum or Plasma
C reactive protein high sensitivity	hsCRP		35	Serum	mg/L	30522-7	C reactive protein	MCnc	Pt	Ser/Plas	Qn	High sensitivity	C reactive protein [Mass/volume] in Serum or Plasma by High sensitivity method
Complement C3	C3		13	Serum	g/L	4445-9	Complement C3	MCnc	Pt	Ser/Plas	Qn		Complement C3 [Mass/volume] in Serum or Plasma
Complement C4	C4		13	Serum	g/L	4498-2	Complement C4	MCnc	Pt	Ser/Plas	Qn		Complement C4 [Mass/volume] in Serum or Plasma
Alpha globulin + paraprotein			28	Serum	g/L	XXXXXX	Alpha globulin+Gamma globulin.abnormal band	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Alpha globulin+Gamma globulin.abnormal band [Mass/volume] in Serum or Plasma by Electrophoresis
Monoclonal free light chains kappa		For quantitative reporting with protein electrophoresis results	36	Serum	g/L	XXXXXX	Immunoglobulin light chains.kappa.free	MCnc	Pt	Ser	Qn	Electrophoresis	Immunoglobulin light chains.kappa.free [Mass/volume] in Serum by Electrophoresis
Monoclonal free light chains lambda		For quantitative reporting with protein electrophoresis results	35	Serum	g/L	XXXXXX	Immunoglobulin light chains.lambda.free	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Immunoglobulin light chains.lambda.free [Mass/volume] in Serum by Electrophoresis
Free light chains lambda		For reporting immuno assay free light chains	24	Serum	mg/L	33944-0	Immunoglobulin light chains.lambda.free	MCnc	Pt	Ser/Plas	Qn		Immunoglobulin light chains.lambda.free [Mass/volume] in Serum or Plasma
Free light chains kappa		For reporting immuno assay free light chains	23	Serum	mg/L	36916-5	Immunoglobulin light chains.kappa.free	MCnc	Pt	Ser	Qn		Immunoglobulin light chains.kappa.free [Mass/volume] in Serum
Free light chains kappa lambda Ratio			25	Serum	No Unit	40844-3	Immunoglobulin light chains.kappa.free/Immunoglobulin light chains.lambda	MCrto	Pt	Ser	Qn		Immunoglobulin light chains.kappa.free/Immunoglobulin light chains.lambda [Mass ratio] in Serum
Paraprotein 1 creatinine ratio urine			36	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 1/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 1/Creatinine [Ratio] in Urine
Paraprotein 2 creatinine ratio urine			36	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 2/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 2/Creatinine [Ratio] in Urine
Paraprotein 3 creatinine urine			31	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 3/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 3/Creatinine [Ratio] in Urine
Paraprotein 3 urine 24h			23	Urine 24h	mg/24h	XXXXXX	Protein.monoclonal band 3	MCnc	Pt	Urine	Qn		Protein.monoclonal band 3 [Mass/time] in unspecified time Urine
HLA-B27	B27		7	Bld	No Unit	4821-5	HLA-B27	ACnc	Pt	Bld	Qn		HLA-B27 [Presence]
Coeliac tissue typing			21	Bld	No Unit	43689-9	HLA-DQ2 & HLA-DQ8	Imp	Pt	Bld	Ord		HLA-DQ2 & HLA-DQ8 [Interpretation]
Cat dander	Allergen specific IgE	Allergen specific IgE	10	Serum	ku/L	6813-8	Cat dander Ab IgE	ACnc	Pt	Ser	Qn		Cat dander IgE Ab [Units/volume] in Serum
Rye grass	Allergen specific IgE	Allergen specific IgE	11	Serum	ku/L	7369-2	Lolium perenne Ab IgE	ACnc	Pt	Ser	Qn		Perennial rye grass IgE Ab [Units/volume] in Serum
Bermuda grass	Allergen specific IgE	Allergen specific IgE	14	Serum	ku/L	6041-8	Cynodon dactylon Ab IgE	ACnc	Pt	Ser	Qn		Bermuda grass IgE Ab [Units/volume] in Serum
Dermatophagoides pteronyssinus	Allergen specific IgE	Allergen specific IgE	31	Serum	ku/L	6096-2	Dermatophagoides pteronyssinus Ab IgE	ACnc	Pt	Ser	Qn		European house dust mite IgE Ab [Units/volume] in Serum
Egg	Allergen specific IgE	Egg white Ab IgE	5	Serum	ku/L	6106-9	Egg white Ab IgE	ACnc	Pt	Ser	Qn		Egg white IgE Ab [Units/volume] in Serum
Cow's milk	Allergen specific IgE	Cow milk Ab IgE	12	Serum	ku/L	7258-7	Cow milk Ab IgE	ACnc	Pt	Ser	Qn		Cow milk IgE Ab [Units/volume] in Serum
Peanut	Allergen specific IgE	Arachis hypogaea Ab IgE	7	Serum	ku/L	6206-7	Arachis hypogaea Ab IgE	ACnc	Pt	Ser	Qn		Peanut IgE Ab [Units/volume] in Serum
Prawn	Allergen specific IgE	Pandalus borealis Ab IgE	7	Serum	ku/L	6246-3	Pandalus borealis Ab IgE	ACnc	Pt	Ser	Qn		Shrimp IgE Ab [Units/volume] in Serum
Latex	Allergen specific IgE	Latex Ab IgE	6	Serum	ku/L	6158-0	Latex Ab IgE	ACnc	Pt	Ser	Qn		Latex IgE Ab [Units/volume] in Serum
Aspergillus fumigatus	Allergen specific IgE	Aspergillus fumigatus Ab IgE	23	Serum	ku/L	6025-1	Aspergillus fumigatus Ab IgE	ACnc	Pt	Ser	Qn		Aspergillus fumigatus IgE Ab [Units/volume] in Serum
Alternaria alternata	Allergen specific IgE	Alternaria alternata Ab IgE	20	Serum	ku/L	6020-2	Alternaria alternata Ab IgE	ACnc	Pt	Ser	Qn		Alternaria alternata IgE Ab [Units/volume] in Serum
Psidium	Allergen specific IgE	Psidium notatum Ab IgE	8	Serum	ku/L	6034-1	Psidium notatum Ab IgE	ACnc	Pt	Ser	Qn		Bahia grass IgE Ab [Units/volume] in Serum
Cashew	Allergen specific IgE	Anacardium occidentale Ah IgE	6	Serum	ku/L	6718-1	Anacardium occidentale Ah IgE	ACnc	Pt	Ser	Qn		Cashew Nut IgE Ab [Units/volume] in Serum
Bee venom	Allergen specific IgE	Apis mellifera Ab IgE	9	Serum	ku/L	6844-5	Apis mellifera Ab IgE	ACnc	Pt	Ser	Qn		Honey Bee IgE Ab [Units/volume] in Serum
Paper wasp	Allergen specific IgE	Polistes spp Ab IgE	10	Serum	ku/L	6198-6	Polistes spp Ab IgE	ACnc	Pt	Ser	Qn		Paper Wasp IgE Ab [Units/volume] in Serum
Trypsase			8	Serum	u/L	21582-2	Trypsase	MCnc	Pt	Ser/Plas	Qn		Trypsase [Mass/volume] in Serum or Plasma
Protein Electrophoresis													
Serum Protein Electrophoresis Core components													
Total Protein			13	Serum/Plasma	g/L	2885-2	Protein	MCnc	Pt	Ser/Plas	Qn		Protein [Mass/volume] in Serum or Plasma
Albumin	BCG	BCG - preferred method	7	Serum	g/L	61151-7	Albumin	MCnc	Pt	Ser/Plas	Qn	BCG	Albumin [Mass/volume] in Serum or Plasma by Bromocresol green (BCG) dye binding method
Albumin		BCP - preferred method	7	Serum	g/L	61152-5	Albumin	MCnc	Pt	Ser/Plas	Qn	BCP	Albumin [Mass/volume] in Serum or Plasma by Bromocresol purple (BCP) dye binding method
Albumin		Electrophoresis	7	Serum	g/L	2862-1	Albumin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Albumin [Mass/volume] in Serum or Plasma by Electrophoresis
Globulin			8	Serum	g/L	10834-0	Globulin	MCnc	Pt	Ser	Qn	Calculated	Globulin [Mass/volume] in Serum by calculation
Paraprotein 1			13	Serum	g/L	51435-6	Protein.monoclonal band 1	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Protein.monoclonal band 1 [Mass/volume] in Serum or Plasma by Electrophoresis
Paraprotein 2		Use if more than one para protein present	13	Serum	g/L	35559-4	Protein.monoclonal band 2	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Protein.monoclonal band 2 [Mass/volume] in Serum or Plasma by Electrophoresis
Paraprotein 3		Use if more than one para protein present	13	Serum	g/L	50796-2	Protein.monoclonal band 3	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Protein.monoclonal band 3 [Mass/volume] in Serum or Plasma by Electrophoresis
Optional components													
Alpha-1 globulin			16	Serum	g/L	2865-4	Alpha 1 globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Alpha 1 globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Alpha-2 globulin			16	Serum	g/L	2868-8	Alpha 2 globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Alpha 2 globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Alpha globulin + paraprotein			28	Serum	g/L	XXXXXX	Alpha globulin+Gamma globulin.abnormal band	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Alpha globulin+Gamma globulin.abnormal band [Mass/volume] in Serum or Plasma by Electrophoresis
Beta globulin			13	Serum	g/L	2871-2	Beta globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Beta globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Beta-1 globulin			15	Serum	g/L	32730-4	Beta 1 globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Beta 1 globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Beta-2 globulin			15	Serum	g/L	32731-2	Beta 2 globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Beta 2 globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Beta globulin + paraprotein			27	Serum	g/L	53589-0	Beta globulin+Gamma globulin.abnormal band	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Beta globulin+Gamma globulin.abnormal band [Mass/volume] in Serum or Plasma by Electrophoresis
Gamma globulin			14	Serum	g/L	2874-6	Gamma globulin	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Gamma globulin [Mass/volume] in Serum or Plasma by Electrophoresis
Monoclonal free light chains kappa		For quantitative reporting with protein electrophoresis results	36	Serum	g/L	XXXXXX	Immunoglobulin light chains.kappa.free	MCnc	Pt	Ser	Qn	Electrophoresis	Immunoglobulin light chains.kappa.free [Mass/volume] in Serum by Electrophoresis
Monoclonal free light chains lambda		For quantitative reporting with protein electrophoresis results	35	Serum	g/L	XXXXXX	Immunoglobulin light chains.lambda.free	MCnc	Pt	Ser/Plas	Qn	Electrophoresis	Immunoglobulin light chains.lambda.free [Mass/volume] in Serum by Electrophoresis
Protein electrophoresis pattern comments			40			49298-3	Protein pattern	Imp	Pt	Ser/Plas	Nr	Immunofixation	Immunofixation [Interpretation] for Serum or Plasma Narrative
Serum Immunofixation													
IgA monoclonal		Immunofixation results	15	Serum	No Unit	44587-4	IgA.monoclonal	ACnc	Pt	Ser	Ord	Immunofixation	IgA.monoclonal [Presence] in Serum by Immunofixation
IgG monoclonal		Immunofixation results	14	Serum	No Unit	44597-3	IgG.monoclonal	ACnc	Pt	Ser	Ord	Immunofixation	IgG.monoclonal [Presence] in Serum by Immunofixation
IgM monoclonal		Immunofixation results	14	Serum	No Unit	44601-3	IgM.monoclonal	ACnc	Pt	Ser	Ord	Immunofixation	IgM.monoclonal [Presence] in Serum by Immunofixation
ClO monoclonal		Immunofixation results	14	Serum	No Unit	55903-9	ClO.monoclonal	ACnc	Pt	Ser	Ord	Immunoelectrophoresis	ClO.monoclonal [Presence] in Serum by Immunoelectrophoresis
IgE monoclonal		Immunofixation results	15	Serum	No Unit	55904-7	IgE.monoclonal	ACnc	Pt	Ser	Ord	Immunoelectrophoresis	IgE.monoclonal [Presence] in Serum by Immunoelectrophoresis
Kappa Light chains		Immunofixation results	20	Serum	No Unit	40635-5	Immunoglobulin light chains.kappa	ACnc	Pt	Ser	Ord	Immunofixation	Immunoglobulin light chains.kappa [Presence] in Serum by Immunofixation
Lambda Light chains		Immunofixation results	20	Serum	No Unit	40639-7	Immunoglobulin light chains.lambda	ACnc	Pt	Ser	Ord	Immunofixation	Immunoglobulin light chains.lambda [Presence] in Serum by Immunofixation
Immunofixation comments		Immunofixation interpretive comments	23	Serum	No Unit	49275-1	Interpretation	Imp	Pt	Ser/Plas	Nr	Immunofixation	Immunofixation [Interpretation] for Serum or Plasma Narrative
Free light chains lambda		For reporting immuno assay free light chains	24	Serum	mg/L	33944-0	Immunoglobulin light chains.lambda.free	MCnc	Pt	Ser/Plas	Qn		Immunoglobulin light chains.lambda.free [Mass/volume] in Serum or Plasma
Free light chains kappa		For reporting immuno assay free light chains	23	Serum	mg/L	36916-5	Immunoglobulin light chains.kappa.free	MCnc	Pt	Ser	Qn		Immunoglobulin light chains.kappa.free [Mass/volume] in Serum
Free light chains kappa lambda Ratio			35	Serum	No Unit	40844-3	Immunoglobulin light chains.kappa.free/Immunoglobulin light chains.lambda	MCrto	Pt	Ser	Qn		Immunoglobulin light chains.kappa.free/Immunoglobulin light chains.lambda [Mass ratio] in Serum
Urine Protein Electrophoresis UPEP - Spot sample													
Protein urine			13	Urine Random	mg/L	2888-6	Protein	MCnc	Pt	Urine	Qn		Protein [Mass/volume] in Urine
Creatinine urine			16	Urine Random	mmol/L	14683-7	Creatinine	SCnc	Pt	Urine	Qn		Creatinine [Moles/volume] in Urine
Protein creatinine ratio urine			31	Urine Random	mg/mmol	34366-5	Protein/Creatinine	Ratio	Pt	Urine	Qn		Protein/Creatinine [Ratio] in Urine
Protein electrophoresis comments urine		For narrative comments	38	Urine Random	No Unit	49299-1	Protein pattern	Imp	Pt	Urine	Nr	Electrophoresis	Protein Fractions [Interpretation] in Urine by Electrophoresis Narrative
Protein electrophoresis comments urine		For coded comments	38	Urine Random	No Unit	13438-7	Protein pattern	Imp	Pt	Urine	Nr	Electrophoresis	Protein Fractions [Interpretation] in Urine by Electrophoresis
Paraprotein 1 urine random			26	Urine Random	mg/L	40661-3	Protein.monoclonal	MCnc	Pt	Urine	Qn	Electrophoresis	Protein.monoclonal [Mass/volume] in Urine by Electrophoresis
Paraprotein 1 creatinine ratio urine			36	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 1/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 1/Creatinine [Ratio] in Urine
Paraprotein 2 urine			19	Urine Random	mg/L	51437-2	Protein.monoclonal band 2	MCnc	Pt	Urine	Qn	Electrophoresis	Protein.monoclonal band 2 [Mass/volume] in Urine by Electrophoresis
Paraprotein 2 creatinine ratio urine			36	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 2/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 2/Creatinine [Ratio] in Urine
Paraprotein 3 urine			20	Urine Random	mg/L	51440-6	Protein.monoclonal band 3	MCnc	Pt	Urine	Qn	Electrophoresis	Protein.monoclonal band 3 [Mass/volume] in Urine by Electrophoresis
Paraprotein 3 creatinine urine			31	Urine Random	mg/mmol	XXXXXX	Protein.monoclonal band 3/Creatinine	Ratio	Pt	Urine	Qn		Protein.monoclonal band 3/Creatinine [Ratio] in Urine
Protein electrophoresis comments urine			38	Urine Random	No Unit	13438-7	Protein pattern	Imp	Pt	Urine	Num	Electrophoresis	Protein Fractions [Interpretation] in Urine by Electrophoresis

Preferred term	Synonyms	Usage guidance	Length	Specimen	Unit	LOINC	Component	Property	Timing	System	Scale	Method	LOINCName
Immunofixation interpretation urine			35	Urine Random	No Unit	13440-3	Interpretation	Imp	Pt	Urine	Nom	Immunofixation	Immunofixation [Interpretation] for Urine
Immunofixation pattern urine			29	Urine Random	No Unit	14896-5	Protein pattern	Imp	Pt	Urine	Nom	Immunofixation	Protein Fractions [Interpretation] in Urine by Immunofixation
Urine Protein Electrophoresis UPEP - 24h SAMPLE													
Paraprotein 1 urine 24h			23	Urine 24h	mg/24h	62482-0	Protein, monoclonal	MRat	24H	Urine	Qn	Electrophoresis	Protein, monoclonal [Mass/time] in 24 hour Urine by Electrophoresis
Paraprotein 2 urine 24h		Use fi more than one paraprotein present	23	Urine 24h	mg/24h	66481-3	Protein, monoclonal band 2	MRat	XXX	Urine	Qn		Protein, monoclonal band 2 [Mass/time] in unspecified time Urine
Paraprotein 3 urine 24h			23	Urine 24h	mg/24h	XXXXXX	Protein, monoclonal band 3	MRat	XXX	Urine	Qn		Protein, monoclonal band 3 [Mass/time] in unspecified time Urine
Collection duration			20	Urine	h	13362-9	Collection duration	Time	*	Urine	Qn		Collection duration of Urine
Urine volume 24h			16	Urine 24h	L	3167-4	Specimen volume	Val	24H	Urine	Qn		Volume of 24 hour Urine
Protein excretion urine 24h			27	Urine 24h	mg/24h	2889-4	Protein	MRat	24H	Urine	Qn		Protein [Mass/time] in 24 hour Urine
Immunofixation interpretation urine 24h			39	Urine 24h	No Unit	33042-3	Interpretation	Imp	24H	Urine	Nom	Immunofixation	Immunofixation [Interpretation] for 24 hour Urine
Protein electrophoresis comments urine 24h		For narrative comments	42	Urine 24h	No Unit	49301-5	Protein pattern	Imp	24H	Urine	Nar	Electrophoresis	Protein Fractions [Interpretation] in 24 hour Urine by Electrophoresis Narrative
Protein electrophoresis comments urine 24h		For coded comments	42	Urine 24h	No Unit	32210-7	Protein pattern	Imp	24H	Urine	Nom	Electrophoresis	Protein Fractions [Interpretation] in 24 hour Urine by Electrophoresis
T cell Flow Cytometry													
CD3+ Lymphocytes			16	Bld	10 ⁹ /L	8122-4	Cells, CD3	NCnc	Pt	Bld	Qn		CD3 cells [# /volume] in Blood
CD3+ Lymphocytes		Reporting in percentage	17	Bld	%	8124-0	Cells, CD3/100 cells	Nfr	Pt	Bld	Qn		CD3 cells/100 cells in Blood
CD3+ CD4+ Lymphocytes			21	Bld	10 ⁹ /L	24467-3	Cells, CD3+CD4+	NCnc	Pt	Bld	Qn		CD3+CD4+ (T4 helper) cells [# /volume] in Blood
CD3+ CD4+ Lymphocytes		Reporting in percentage	21	Bld	%	8123-2	Cells, CD3+CD4+/100 cells	Nfr	Pt	Bld	Qn		CD3+CD4+ (T4 helper) cells/100 cells in Blood
CD3+ CD8+ Lymphocytes			22	Bld	10 ⁹ /L	14135-8	Cells, CD3+CD8+	NCnc	Pt	Bld	Qn		CD3+CD8+ (T8 suppressor cells) cells [# /volume] in Blood
CD3+ CD8+ Lymphocytes		Reporting in percentage	21	Bld	%	8101-8	Cells, CD3+CD8+/100 cells	Nfr	Pt	Bld	Qn		CD3+CD8+ (T8 suppressor cells) cells/100 cells in Blood
CD19+ Lymphocytes			18	Bld	10 ⁹ /L	8116-6	Cells, CD19	NCnc	Pt	Bld	Qn		CD19 cells [# /volume] in Blood
CD19+ Lymphocytes		Reporting in percentage	17	Bld	%	8117-4	Cells, CD19/100 cells	Nfr	Pt	Bld	Qn		CD19 cells/100 cells in Blood
CD3- CD16+ Lymphocytes			23	Bld	10 ⁹ /L	15193-6	Cells, CD3-CD16+	NCnc	Pt	Bld	Qn		CD3-CD16+ cells [# /volume] in Blood
CD3- CD16+ Lymphocytes		Reporting in percentage	22	Bld	%	15194-4	Cells, CD3-CD16+/100 cells	Nfr	Pt	Bld	Qn		CD3-CD16+ cells/100 cells in Blood
CD3- CD56+ Lymphocytes			23	Bld	10 ⁹ /L	53936-1	Cells, CD3-CD56+	NCnc	Pt	Bld	Qn		CD3-CD56+ cells [# /volume] in Blood
CD3- CD56+ Lymphocytes		Reporting in percentage	22	Bld	%	55090-5	Cells, CD3-CD56+/100 cells	Nfr	Pt	Bld	Qn		CD3-CD56+ cells/100 cells in Blood
CD3- CD16+56+ Lymphocytes			26	Bld	10 ⁹ /L	9728-7	Cells, CD3-CD16+CD56+	NCnc	Pt	Bld	Qn		CD3-CD16+CD56+ (Natural killer) cells [# /volume] in Blood
CD3- CD16+56+ Lymphocytes		Reporting in percentage	25	Bld	%	8112-5	Cells, CD3-CD16+CD56+/100 cells	Nfr	Pt	Bld	Qn		CD3-CD16+CD56+ (Natural killer) cells/100 cells in Blood
CD4/CD8 Ratio			13	Bld	no unit	54218-3	Cells, CD3+CD4+/Cells, CD3+CD8+	NBto	Pt	Bld	Qn		CD3+CD4+ (T4 helper) cells/CD3+CD8+ (T8 suppressor cells) cells [# Ratio] in Blood