

Reporting Title: Monoclonal Protein Expanded Panel,S
Performing Location: Jacksonville

Specimen Requirements:

Patient Preparation: Fasting preferred but not required

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 2 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

Specimen Minimum Volume:

1.5 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	14 days	
	Ambient	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TPE	Total Protein Also used by tests: TPE	Numeric	g/dL	2885-2
2769	Albumin Also used by tests: ELP	Numeric	g/dL	2862-1
2770	Alpha-1 Globulin Also used by tests: ELP	Numeric	g/dL	2865-4
2771	Alpha-2 Globulin Also used by tests: ELP	Numeric	g/dL	2868-8
2773	Beta-Globulin Also used by tests: ELP	Numeric	g/dL	2871-2

Result ID	Reporting Name	Type	Unit	LOINC®
2774	Gamma-Globulin Also used by tests: ELP	Numeric	g/dL	2874-6
2785	A/G Ratio Also used by tests: ELP	Numeric		44429-9
22308	M spike Also used by tests: ELP	Numeric	g/dL	33358-3
22309	M spike Also used by tests: ELP	Numeric	g/dL	33358-3
15254	Impression Also used by tests: ELP	Alphanumeric		49296-7
81653	Immunofixation Also used by tests: IMFX	Alphanumeric		74665-1
606977	Flag, Immunofixation Also used by tests: IMFX	Alphanumeric		No LOINC Needed
KFLCS	Kappa Free Light Chain, S Also used by tests: KFLCS	Numeric	mg/dL	36916-5
LFLCS	Lambda Free Light Chain, S Also used by tests: LFLCS	Numeric	mg/dL	33944-0
KLRS	Kappa/Lambda FLC Ratio Also used by tests: KLRS	Numeric		48378-4

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
TPE	Total Protein			Yes	Yes (order TP)

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
ELP	Protein Electrophoresis			Yes	Yes (order PEL)
IMFX	Immunofixation			Yes	Yes Order IMFXO)
KFLCS	Kappa Free Light Chain, S			Yes	Yes (order FLCS)
LFLCS	Lambda Free Light Chain, S			Yes	Yes (order FLCS)
KLRS	Kappa/Lambda FLC Ratio			Yes	Yes (order FLCS)

CPT Code Information:

83521 x 2
84155
84165
86334
86334-Immunofixation Delta and Epsilon (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
IFXED	Immunofixation Delta and Epsilon, S			No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
IFXED	606458	Immunofixation D and E	Alphanumeric		74665-1
IFXED	606981	Flag, Immunofixation D and E	Alphanumeric		No LOINC Needed

Reference Values:**PROTEIN, TOTAL**

> or =1 year: 6.3-7.9 g/dL

Reference values have not been established for patients that are younger than 12 months of age.

PROTEIN ELECTROPHORESIS

Albumin: 3.4-4.7 g/dL

Alpha-1-globulin: 0.1-0.3 g/dL

Alpha-2-globulin: 0.6-1.0 g/dL

Beta-globulin: 0.7-1.2 g/dL

Gamma-globulin: 0.6-1.6 g/dL

M-spike: 0.0 g/dL

An interpretive comment is provided with the report.

Reference values have not been established for patients that are younger than 16 years of age

IMMUNOFIXATION

Immunofixation: No monoclonal protein detected

Flag, Immunofixation: Negative

KAPPA-FREE LIGHT CHAIN

0.33-1.94 mg/dL

LAMBDA-FREE LIGHT CHAIN

0.57-2.63 mg/dL

KAPPA/LAMBDA-FREE LIGHT-CHAIN RATIO

0.26-1.65