MAYO CLINIC LABORATORIES

Test Definition: COSY
Cobalt, Synovial Fluid

Reporting Title: Cobalt, Synovial Fl
Performing Location: Rochester

Ordering Guidance:
This test should only be used in individuals with metallic prosthetic implants. The significance of cobalt concentrations in synovial fluid in patients without implants is unknown.

Specimen Requirements:
Patient Preparation: High concentrations of gadolinium and iodine are known to interfere with most inductively coupled plasma mass spectrometry-based metal tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for at least 96 hours.
Supplies: Metal Free B-D Tube (EDTA), 6 mL (T183)
Container/Tube: Royal blue top (metal-free EDTA)
Specimen Volume: 1 mL
Collection Instructions: See Metals Analysis Specimen Collection and Transport for complete instructions.
Additional Information: Cobalt is present in the black rubber plunger seals found in most disposable syringes. As a result, synovial fluid should not be collected in these devices as contamination may occur.

Specimen Minimum Volume:
0.4 mL

Specimen Type	Temperature	Time	Special Container
Synovial Fluid	Refrigerated (preferred)	90 days	
	Ambient	90 days	
	Frozen	90 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
606352	Cobalt, Synovial Fl	Numeric	ng/mL	23842-8

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:

83018

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Reference Values:

0-17 years: Not established
> or =18 years: <19.8 ng/mL