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 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

Reference Values:

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