



Cytokines

Test Code: See Below

CPT CODE	83520				
SPECIMEN REQUIREMENT	Type: EDTA Plasma or serum Volume: 1 mL Handling: Storage: Frozen, -20°C to -70°C Shipping: Ship frozen OVERNIGHT on DRY ICE . NOTE: If sending specimen other than EDTA plasma or serum, specimen type MUST BE noted on test request form.				
METHODOLOGY	MSD				
SET-UP SCHEDULE	Tuesday: IL-10, IL-1b, IL-12p70, TNF-a, IL-2 and GM-CSF Thursday: IL-8, IL-4, IFN-g, IL-5, IL-13, and IL-6				
STANDARD TURNAROUND	7 days				
CLINICAL UTILITY	Cytokines have emerged as molecules of importance in the regulation of many immunologic processes in the cell. The ability to accurately measure quantitative and qualitative differences in cytokine production is becoming increasingly important to the understanding of normal and pathological processes.				
TESTS INCLUDED	Test Name	Plasma	Serum	Other	Sensitivity (pg/ml)
	Interleukin-β(IL-1β)	1225	1215	1411	0.6
	Interleukin-2 (IL-2)	1226	1216	1412	0.6
	Interleukin-4 (IL-4)	1227	1217	1413	0.6
	Interleukin-5 (IL-5)	1228	1218	1414	0.6
	Interleukin-6 (IL-6)	1258	1257	1415	2.4
	Interleukin-8 (IL-8)	1229	1219	1416	0.6
	Interleukin-10 (IL-10)	1222	1212	1417	0.6
	Interleukin-12 (IL-12p70)	1223	1213	1421	9.8
	Interleukin-13 (IL-13)	1224	1214	1422	9.8
	Interferon-gamma (IFN-γ)	1221	1271	1418	0.6
	TNF-alpha (TNF-α)	1230	1220	1419	0.6
	GM-CSF	1256	1255	1420	2.4

CYTOKINE PANELS

403025	<u>Th1/Th2 Panel (serum)</u> IFN γ , IL-2, IL-4, IL-5, IL-10, IL-12p70, IL-13
403027	<u>Pro-Inflammatory Panel (serum)</u> IL-1 β , TNF- α , IL-6, IL-8
403026	<u>Th1/Th2 Panel (plasma)</u> IFN γ , IL-2, IL-4, IL-5, IL-10, IL-12p70, IL-13
403028	<u>Pro-Inflammatory Panel (plasma)</u> IL-1 β , TNF- α , IL-6, IL-8
