



ECP (Eosinophil Cationic Protein)

Test Code 42

CPT CODE	86849 x 1
SPECIMEN REQUIREMENT	
Type:	Serum
Volume:	1.0 mL
Handling:	Collect a FULL SST tube of blood. Invert 5 times. Let clot 60 to 120 minutes at room temperature. Centrifuge at 1000 to 1300g for 10 minutes. Decant serum. NOTE: Plasma and hemolyzed serum cannot be used.
Storage:	Ship frozen overnight on dry ice. Please call the lab with any questions.
Shipping:	
METHODOLOGY	EIA
SET-UP SCHEDULE	Call Client Services
STANDARD TURNAROUND TIME	5-7 business days from receipt of specimen
CLINICAL UTILITY	The eosinophil is a major component of the inflammatory cell infiltrate in the asthmatic lung. The mediators from this cell are now recognized to be responsible for some of the signs and symptoms of asthma, particularly the allergic type. When eosinophils are activated, they secrete ECP, a toxic glycoprotein that is stored in cytoplasmic granules. This molecule has a basic pI (>11) and a molecular weight of 19,000. ECP has potent neurotoxic properties and can kill parasites at low doses by disrupting their cell membranes.
STABILITY	Freeze Immediately