

THE AGA KHAN UNIVERSITY HOSPITAL
CLINICAL LABORATORIES
UPDATE ASPERGILLUS SPECIFIC IgG ASSAY

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Introduction

Chronic pulmonary aspergillosis (CPA) is the most common pulmonary manifestation of aspergillosis in Pakistan. Significant burden of CPA as a post tuberculosis (TB) sequel has been estimated in the country. A recent report from Pakistan reported TB and bronchiectasis as major underlying causes of CPA. In contrast to most settings, *Aspergillus flavus* has been isolated more frequently than *Aspergillus fumigatus* from CPA cases in Pakistan. A recent guideline for use in low- and middle-income countries highlighted the use of raised *Aspergillus*-specific IgG as the most useful test for diagnosis of CPA.

INTENDED USE:

The *Aspergillus fumigatus* and *A. flavus* specific IgG is intended for the Quantitative determination of IgG class antibodies against *Aspergillus fumigatus* and *Aspergillus flavus* in human serum for the diagnosis of CPA.

PRINCIPLE:

Solid-phase, two-step, chemiluminescent immunoassay

CUT-OFF FOR CHRONIC PULMONARY ASPERGILLOSIS:

A. fumigatus specific IgG: ~~20~~ mg/L

A. flavus specific IgG: ~~30~~ mg/L

SAMPLE COLLECTION, STORAGE AND TRANSPORT:

3 -5 ml serum sample in yellow top gel tube or separated serum in white cap tube stored and transported at 2-8 °C.

REJECTION CRITERIA:

SCHEDULE:

The assay will be performed every Thursday and will be reported the next day by 7.00 pm. (cut-off time: 11.59 pm on preceding day).

PLEASE FILE FOR QUICK REFERENCE