

THE AGA KHAN UNIVERSITY HOSPITAL CLINICAL LABORATORIES

UPDATE MEASLES VIRUS IGG ELISA ASSAY

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INTRODUCTION:

Measles is one of the most contagious infectious diseases, caused by the measles virus, a single stranded RNA virus of the Paramyxoviridae family. Although measles is primarily considered to be a childhood disease, it can affect people of all ages. Newborns are protected by maternal antibodies for the first 3-4 months of life and the active disease leaves lifelong immunity. The measles virus has a contagiousity index of about 96% with a worldwide distribution. The risk of measles complications makes it important to rapidly detect the immunological status of the contact patients suffering from measles in order to identify those not immunized and exposed, and to vaccinate when necessary. Detection of an IgG antibody may serve as a marker for adequate immune response.

INTENDED USE:

Assessment of immune status: The Measles Virus IgG ELISA is intended for the qualitative determination of IgG class antibodies against Measles Virus in human serum.

PRINCIPLE: Qualitative ELISA (Enzyme linked Immunosorbent Assay) technique.

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:

Lipemic, hemolyzed, or icteric samples, as free hemoglobin, high levels of lipids and bilirubin may interfere with the test.

SCHEDULE:

Sample will be performed on every tuesday and reported next day.
(cutt-off time: 12:01 am)

PLEASE FILE FOR QUICK REFERENCE



آغا خان یونیورسٹی ہسپتال، کراچی

The Aga Khan University Hospital, Karachi
Stadium Road, P.O. Box 3500, Karachi 74800, Pakistan.
Tel: +92 21 3493 0051; Fax: +92 21 3493 4294
www.aku.edu

