

THE AGA KHAN UNIVERSITY HOSPITAL CLINICAL LABORATORIES

UPDATE

Human pregnancy-associated plasma protein A (PAPP-A)

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INTRODUCTION

Human pregnancy-associated plasma protein A (PAPP-A) is a 187 kDA protein. PAPP-A is highly expressed in first-trimester trophoblasts, participating in regulation of fetal growth. Low PAPP-A levels before the 14th week of gestation are associated with an increased risk for Down syndrome and trisomy 18. In combination with other serum and radiological makers, PAPP-A can assist in identifying women at an increased risk of carrying a fetus with Down syndrome during the first trimester (week 8-14) of pregnancy.

PRINCIPLE:

Electrochemiluminescence immunoassay

SPECIMEN COLLECTION:

For analysis, 3-5 cc blood sample in serum separator tube (Gel tube /yellow top tube) is required.

Grossly hemolysis or lipemic samples will be rejected.

REFERENCE RANGE:

Gestational week	8	9	10	11	12	13
Median value (mIU/L)	289	580	1144	1647	2664	4349

SCHEDULE:

- Test will be performed on Tuesday (every week) and will be reported on the next day.

PLEASE FILE FOR QUICK REFERENCE



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