

Patient Name	: Mrs. BUSHRA KHAN	Sample UID No.	: 4106548
Age / Gender	: 24 Y / Female	Sample Collected On	: 08-08-2025 21:37
Patient ID	: QLD106093	Registered On	: 08-08-2025 21:38
Referred By	: CITY CARE	Reported on	: 09-08-2025 07:12
Referral Client	: CITICARE MEDICAL CENTER	External Patient ID	: 47565
Emirates ID / Passport No	:	Print Version	: V.1

Department of IMMUNOLOGY

<u>Investigation</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>Biological Reference Interval</u>	<u>Method</u>
BETA HCG	34816		mIU/mL	Women: non pregnant premenopausal women : ≤ 1 postmenopausal women: ≤ 7 During pregnancy (Weeks of gestation) : Ref Ranges 3 weeks : 5.8-71.2 4 weeks : 9.5-750 5 weeks : 217-7138 6 week : 158-31795 7 weeks : 3697-163563 8 weeks : 32065-149571 9 weeks : 63803-151410 10 weeks : 46509-186977 12weeks : 27832-210612 14weeks : 13950-62530 15weeks : 12039-70971 16-29weeks: 1400-53000 29-41weeks : 940-6000	ECLIA

Sample: Serum

Comments :

CLINICAL IMPLICATIONS: 1. Quantitative Beta HCG test provides the most sensitive and specific test for the detection of early pregnancy, estimation of gestational age, diagnosis of ectopic pregnancy or threatened spontaneous abortion. This is also useful in the workup and management of testicular tumours. 2. High levels may be found in choriocarcinoma, embryonal cell carcinoma and ectopic pregnancy. HCG levels are extremely useful in following germ cell neoplasm. Due to the variability of HCG concentration among pregnant women, a single test determination cannot be used to accurately date the gestational age. Serial determinations may be helpful when abnormal pregnancy is suspected.

INTERFERING FACTORS: 1. Lipemia, hemolysis, radioisotopes administered within 1 week of testing may affect the result. Test results can be positive up to 1 week after complete abortion. False negative and false positive results can be caused by drugs. Heterophilic antibodies may falsely increase or decrease the results. **RECOMMENDATIONS:** Detection of very low levels does not rule out pregnancy and since in normal pregnancy hCG values double every 48 hours, patients with very low levels should be resampled and retested after 48 hours.

REFERENCE: 1) Manual of Laboratory and Diagnostics-Frances Fischbach Marshall B. Dunning III [9th Edition]

2) Tietz clinical guide to Laboratory tests(Fourth edition) ALAN H.B.WU

3) Clinical microbiology procedures 4th edition AMY L LEBER

- END OF REPORT -

"QLabs compliance with ISO 15189:2022 standards"

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