



Beta - hCG

Serum Beta hCG as Pregnancy Test

The hCG beta-subunit becomes detectable 6-12 days post implantation

Fertility and Sterility 1987;47:584-589

A β -hCG level of >25 IU/L is required for a definitive confirmation.

IU/L	Interpretation
<5	Negative
5-25	Equivocal
>25	Positive

At levels of 1,500 - 2,000 IU/L an intrauterine gestational sac becomes visible on ultrasound examination.

Rate of β -hCG increase in pregnancy

- β -hCG doubles every 1.5 days for 5 weeks post implantation
- β -hCG then doubles every 3.5 days from the 7th week post implantation

Obstetrics & Gynecology 1990;75:417-420