

**Overview****Method Name**

Enzyme-Linked Immunosorbent Assay (ELISA)

**NY State Available**

No

**Specimen****Specimen Type**

Serum Red

**Specimen Required****Supplies:** Sarstedt Aliquot Tube, 5 mL (T914)**Specimen Type:** Serum**Container/Tube:** Red top**Specimen Volume:** 1 mL**Collection Instructions:**

1. Centrifuge at 3000 rpm for 10 minutes
2. Aliquot 1 mL of serum into a plastic vial and freeze immediately.
3. Send serum frozen.

**Specimen Minimum Volume**

0.5 mL

**Reject Due To**

Hemolysis	Reject
Icterus	Reject
Lipemia	Reject

**Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Serum Red	Frozen	90 days	

**Clinical & Interpretive****Clinical Information**

Human placental lactogen (hPL; chorionic somatomammotropin) is a 21,000 Da polypeptide produced during pregnancy by placental trophoblastic cells. The level of hPL in maternal serum is directly related to placental function and fetal well-being.

Human placental lactogen is detected about 6 weeks after conception and its concentration increases gradually to peak levels (without decreases) until about the 34th week where it remains stable for the remainder of the pregnancy. Consistently low levels throughout pregnancy or a sudden drop in serial determinations are an indication of fetal distress. After normal delivery, the hPL concentration falls rapidly to an undetectable level.

The hPL levels in serum of women with multiple placenta pregnancies generally exceeds that of single placenta pregnancies. This is generally noted from the 2nd trimester to delivery.

### Reference Values

Males and nonpregnant Women: 0.0-0.1 mcg/mL

1st Trimester of Pregnancy: 0.2-2.1 mcg/mL

2nd Trimester of Pregnancy: 0.5-6.7 mcg/mL

3rd Trimester of Pregnancy: 4.5-12.8 mcg/mL

### Performance

#### PDF Report

No

#### Day(s) Performed

Thursday

#### Report Available

3 to 11 days

#### Performing Laboratory Location

BioAgilytix Diagnostics

### Fees & Codes

#### Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

#### Test Classification

The performance characteristics of the listed assay was validated by BioAgilytix Diagnostics. The US FDA has not approved or cleared this test. The results of this assay can be used for clinical diagnosis without FDA approval.

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BioAgilytix Diagnostics is a CLIA certified, CAP accredited laboratory for performing high complexity assays such as this one.

**CPT Code Information**

83632

**LOINC® Information**

Test ID	Test Order Name	Order LOINC® Value
FHPL	Human Placental Lactogen	2104-8

Result ID	Test Result Name	Result LOINC® Value
Z0146	Human Placental Lactogen	2104-8