

## ARG80842 Human Estriol (unconjugated) ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG80842 Human Estriol (unconjugated) ELISA Kit is an enzyme immunoassay kit for the quantification of free estriol (unconjugated estriol) in serum during the second half of pregnancy.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Estriol
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.02 ng/ml
Sample Type	Serum.
Standard Range	0.3 - 40 ng/ml
Sample Volume	10 µl

### Application Instructions

Assay Time	1h, 30 min
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Full Name	Estriol, unconjugated
Background	<p>Estriol (E3) is the major estrogen formed by the fetoplacental unit during pregnancy. Unconjugated E3 passes through the placenta into the maternal circulation, where it is rapidly converted into glucuronide and sulfate derivatives to facilitate its excretion. The half-life of estriol in the maternal bloodstream is only 20-30 minutes. Its measurement, therefore offers a convenient and quick evaluation of current fetal status. Plasma estriol levels increase steadily throughout pregnancy and most rapidly during the third trimester (28-40 weeks). A sudden decrease in fetoplacental E3 production will result in a rapid fall in unconjugated E3 in the maternal serum. There are several potential advantages to measuring unconjugated E3 rather than total serum or urinary E3. Unconjugated estriol levels are free from effects related to maternal renal or hepatic disease, and are not altered by the administration of certain antibiotics. Unconjugated E3 more accurately reflects fetal outcome in diabetic pregnancies - and since no hydrolysis of unconjugated E3 is required, a more rapid turnaround for the test result is possible.</p>

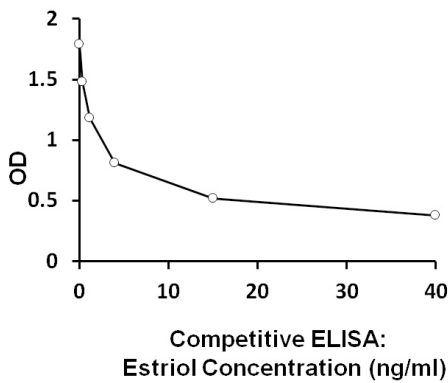
Highlight

Related products:  
[Estriol antibodies](#); [Estriol ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Research Area

Cell Biology and Cellular Response kit; Signaling Transduction kit

Images



ARG80842 Human Estriol (unconjugated) ELISA Kit example of standard curve image

ARG80842 Human Estriol (unconjugated) ELISA Kit results of a typical standard run with optical density reading at 450 nm.