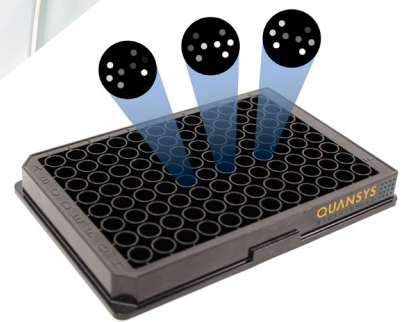


# Q-PLEX™ HUMAN FEMALE HORMONE (6-PLEX)



The Q-Plex Human Female Hormone (6-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of six biomarkers or analytes.

Catalog #	Product	Markers		
332151HU	Q-Plex™ Human Female Hormone (6-Plex)	Adiponectin E1G	Cortisol FSH	C-Peptide HCGβ

## Background

In order to assist researchers in examining the relationship between stress and reproductive health, Quansys developed the Q-Plex Human Female Hormone (6-Plex) array. Multiplex protein detection gives researchers the flexibility to measure both stress- and reproduction-related proteins simultaneously, saving them time, precious sample, and research money.

The Q-Plex Human Female Hormone (6-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of six biomarkers or analytes (Adiponectin, Cortisol, C-Peptide, E1G, FSH, and HCGβ).

Each kit contains a 96-well plate, featuring the relevant biomarker panel, and all the reagents required to perform testing. Q-Plex™ plates are built by absorbing eight distinct capture antibodies in a defined array to the bottom of each well. Our high quality reagents help ensure the accuracy of your results.

Using just 50 µL of sample per well, up to 80 samples can be assayed for all six markers in the panel within 2.5 hours. Q-Plex Arrays provide researchers with an easy-to-use and cost effective means of generating a cytokine profile for each sample.

## Example Performance and Validation Data

Analyte	Assay Type	Calibrator Range	Upper Limit of Quantification (ULOQ)	Lower Limit of Quantification (LLOQ)	Limit of Detection	Precision* (Inter-assay)	Precision* (Intra-assay)	Average* Linearity
Adiponectin	Sandwich	28.3 - 0.039 (ng/mL)	19.81 (ng/mL)	0.15 (ng/mL)	0.019 (ng/mL)	9%	4%	95%
Cortisol	Competitive	744 - 1.02 (ng/mL)	520.8 (ng/mL)	1.33 (ng/mL)	0.51 (ng/mL)	12%	19%	106%
C-Peptide	Sandwich	39 - 0.053 (ng/mL)	27.3 (ng/mL)	0.07 (ng/mL)	0.027 (ng/mL)	15%	4%	113%
E1G	Competitive	522 - 0.72 (ng/mL)	365.4 (ng/mL)	0.93 (ng/mL)	0.36 (ng/mL)	10%	12%	110%
FSH	Sandwich	167 - 0.23 (mIU/mL)	116.9 (mIU/mL)	0.89 (mIU/mL)	0.11 (mIU/mL)	9%	7%	106%
hCGβ	Sandwich	42.55 - 0.058 (ng/mL)	29.75 (ng/mL)	0.076 (ng/mL)	0.029 (ng/mL)	13%	10%	102%

\* Actual values may vary from kit to kit. Please see the In-Kit Certificate of Analysis included in your kit for specific values.



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