

Neonatal 17-OH-Progesterone FEIA & EIA



Enzyme immunoassays with fluorometric & photometric detection for the determination of human 17-OH-progesterone from blood specimens dried on filter paper

- *competitive assay*
- *excellent reproducibility*
- *high sensitivity with high signal/background ratio*
- *easy adaptation to existing screening systems*

Easy and reliable screening for CAH

Congenital Adrenal Hyperplasia (CAH)

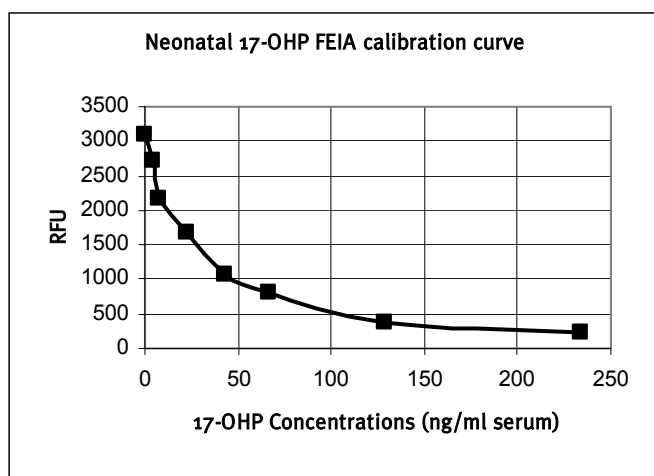
Congenital Adrenal Hyperplasia (CAH) includes a group of disorders in which the cortisol production by adrenals is lowered.

There are several different forms of CAH, each related to one of the enzymes necessary to transform precursors to cortisol. When one of these enzymes is deficient, this leads to a hyperfunction and increased size (hyperplasia) of the adrenals, hence the name Congenital Adrenal Hyperplasia.

Among the various forms of CAH, the 21-hydroxylase deficiency is by far the most frequent, representing more than 90% of all cases. 21-hydroxylase deficiency results in high level of circulating 17-hydroxyprogesterone. Various mutations of the 21-hydroxylase gene result in various degrees of CAH severity.

CAH cannot be cured, but it can be effectively treated by steroid substitution therapy if detected in early stage of life and disease course.

Ani Labsystems' Neonatal 17-OH-Progesterone FEIA & EIA tests allow quantification of 17-hydroxy-progesterone in dried blood spot samples.



Ordering Information

61 99 850	Neonatal Galactose	960 wells	€€ In Q4/2008
6199 860	Neonatal Glucose-6-phosphate dehydrogenase	960 wells	€€
61 99 870	Neonatal 17-OH- Progesterone FEIA	480 wells	€€
61 99 875	Neonatal 17-OH- Progesterone EIA	480 wells	€€
6199 896	Neonatal Phenylalanine	960 wells	€€
6199 897	Neonatal Phenylalanine	4800 wells	€€
6199 880	Neonatal hTSH FEIA Plus	960 wells	€€
6199 881	Neonatal hTSH FEIA Plus	4800 wells	€€
6199 892	Neonatal hTSH EIA	960 wells	€€
6199 8923	Neonatal hTSH EIA	4800 wells	€€
6199 802	Neonatal Toxoplasma gondii IgM FEIA	480 wells	€€
6190 930	Neonatal Phenylalanine Controls	5 sets of 3 levels	€€
6190 940	Neonatal Phenylalanine Calibrators	5 sets of 5 levels	€€

Assay procedure

STEP I

Punch out 3 mm disks from blood calibrators and controls (in duplicates) as well as from patient specimens (single) into the microtiter plate.

Add 200 µl of anti-17OHP-HRP conjugate. Make sure that the discs are properly soaked.

Cover the plate and incubate 1 hour at RT in dark with shaking and then overnight at +4° C without shaking

STEP II

Remove disks, wash 4 x 300 µl

STEP III

Add 200 µl of substrate solution

Incubate 60 min at +4°C in the dark (FEIA) or 20 min at RT in the dark (EIA)

STEP II

Add 100 µl of stop solution.

Measure fluorescence at ex. 320, em. 405 nm (FEIA) or absorbance at 450nm (EIA)