

Roche Elecsys Cortisol II assay steroid cross-reactivity

Due to similarities in the structure of cortisol and other steroid molecules, cross-reactivity can occur. For instance, 100 nmol/L of prednisolone in a specimen will increase the measured cortisol level by about 8.

Steroid	Cross-Reactivity
Prednisone	< 3%
Prednisolone	8%
6- α -Methylprednisolone	12%
Dexamethasone	< 1%
Fludrocortisone	< 1%
Cortisone	7%
Corticosterone	< 3%
11-Deoxycorticosterone	< 1%
11-Deoxycortisol	5%
21-Deoxycortisol	< 3%
Progesterone	< 1%
17- α -Hydroxyprogesterone	< 1%

Above data was provided by the assay manufacturer.

Note that the degree of cross-reactivity will vary between different analysers and **therefore the above information may not be applicable to other laboratories**. Contact the appropriate laboratory for more information.