

Supplementary material

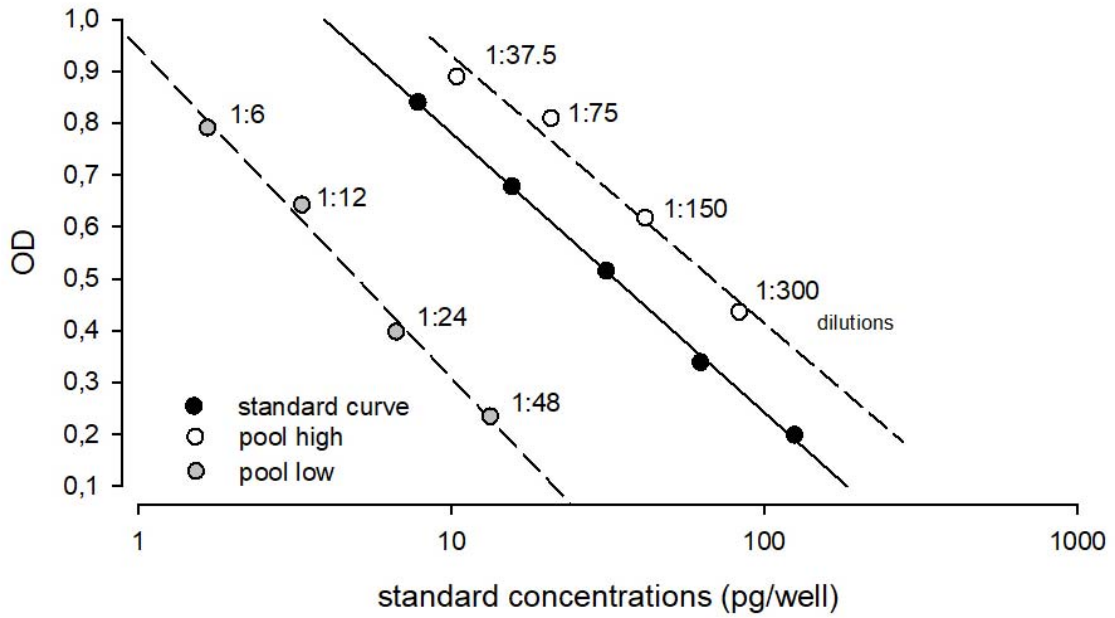


Figure S1 Parallelism test for serial dilutions of high and low sample pools for the selected progestogen enzymeimmunoassay utilizing an antibody against 5 β -pregnane-3 α -ol-20-one-3HS:BSA.

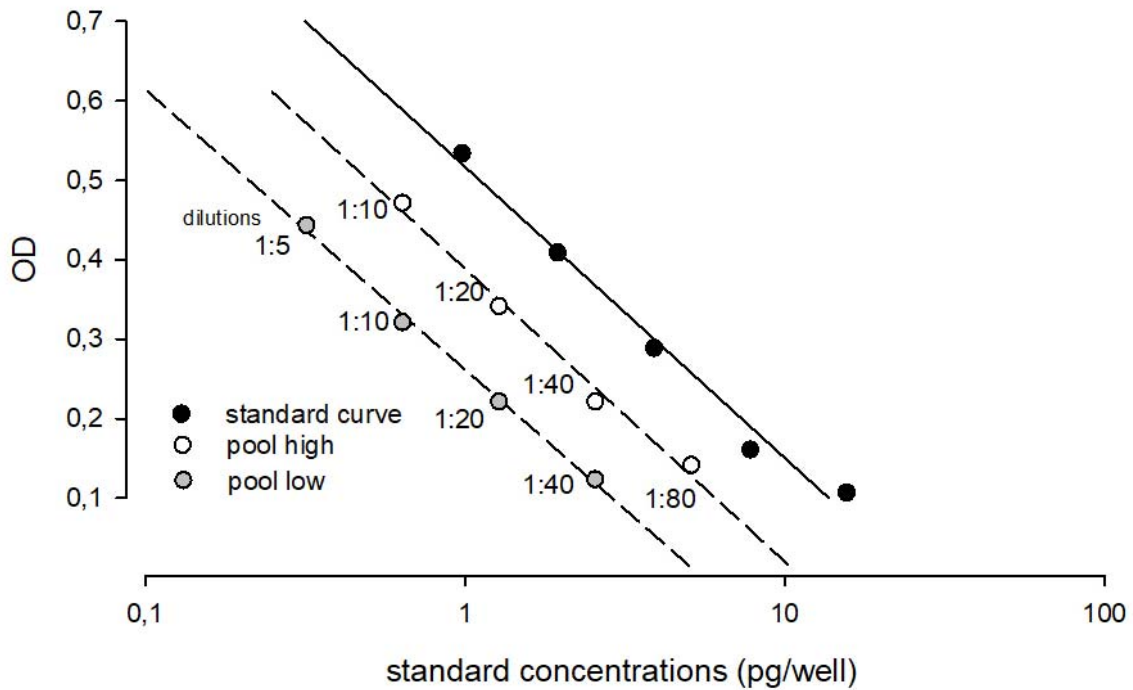


Figure S2 Parallelism test for serial dilutions of high and low sample pools for the selected estrogen enzymeimmunoassay utilizing an antibody against 17 β -oestradiol-17-HS:BSA.

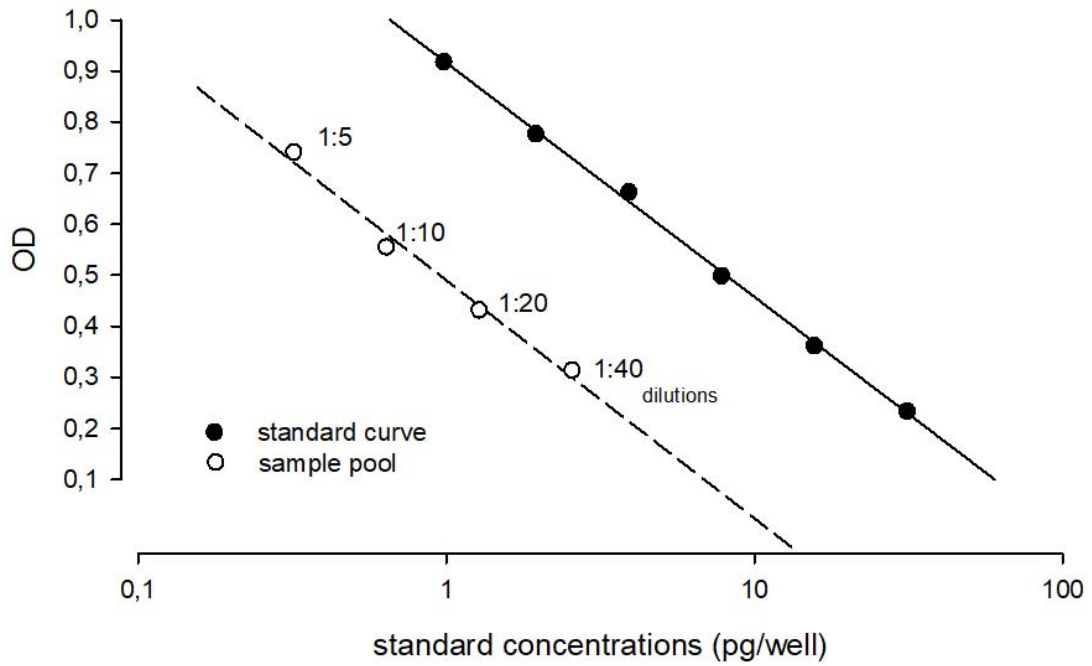


Figure S3 Parallelism test for serial dilutions of a sample pool for the selected androgen enzymeimmunoassay utilizing an antibody against Testosterone-3-CMO:BSA.

Table S1. Specifications of the EIAs used to validate suitability for assessing glucocorticoids in baleen powder

*DADOO-biotin = N-biotinyl-1,8-diamino-3,6-dioxaoctane; HS = hemisuccinate; HRP = horseradish peroxidase; CMO = carboxymethylloxime; BSA = bovine serum albumin

Name	Label	Antibody raised against	Standard	Sensitivity (ng/g dry weight)	Intra- assay coefficient of variation (%)	
					[High] control	[Low] control
Mostl, 1997)	Cortisol-3-CMO- DADOO-biotin	Cortisol-3-CMO-BSA	Cortisol (4-pregnene-11 β ,17 α ,21-triol-3,20-dione	1	4.89	5.83
Palme & Mostl,	Cortisol-3-CMO-DADOO-biotin	Corticosterone-3-CMO-BSA	Corticosterone (4-pregnene-11 β ,21-diol-3,20-dione)	3.2	2.81	6.31
Palme I (Palme &	Cortisol-3-CMO- DADOO-biotin	11-oxoetiocholanolone-3-HS:BSA	Cortisol (4-pregnene-11 β ,17 α ,21-triol-3,20-dione	1.6	4.95	7.46
Palme II (Möstl &	11-oxoetiocholanolone-17-CMO-biotinyl-3,6,9-trioxaundecanediamin	11-oxoetiocholanolone-17-CMO:BSA	11-oxoetiocholanolone (5 β -androstane-3 α -ol-11,17-dione)	1	5.57	6.58
Möstl & (2003)	5 α -pregnane-3 β ,11 β ,21-triol-20-one-biotinyl-3,6,9-trioxaundecanediamin	5 α -pregnane-3 β ,11 β ,21-triol-20-one –CMO-BSA	5 α -pregnane-3 β ,11 β ,21-triol-20-one	3.2 pe	4.71	5.71