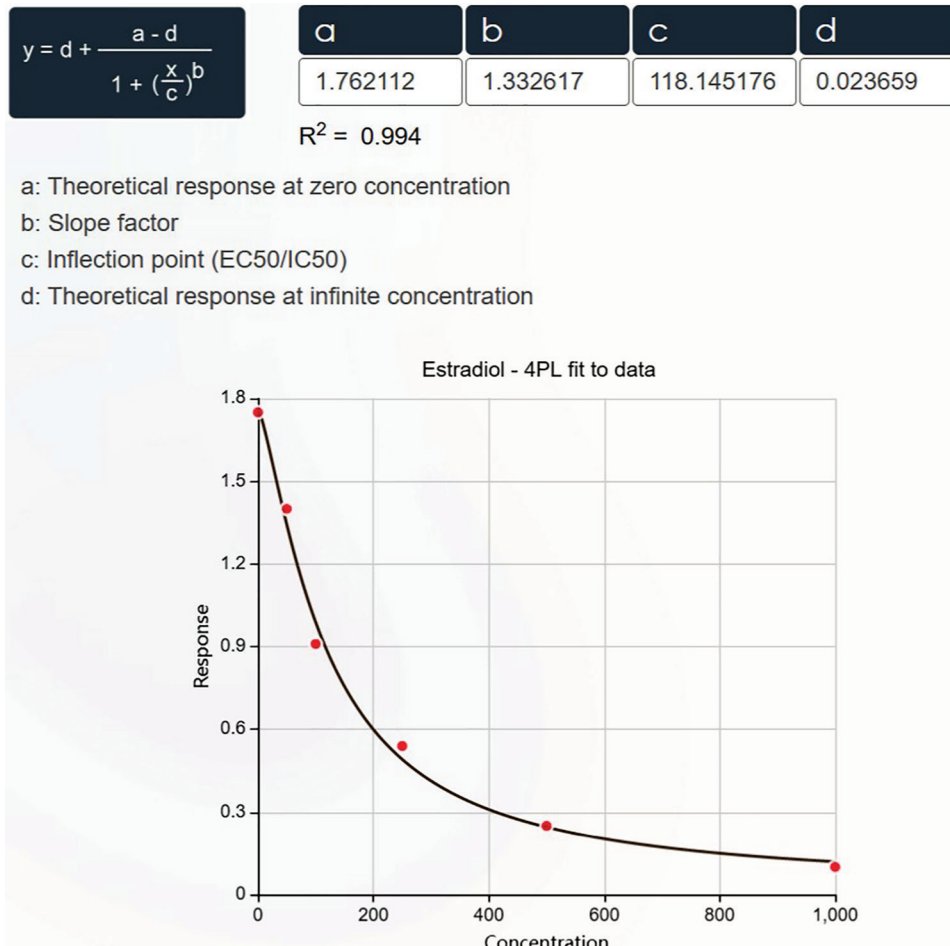
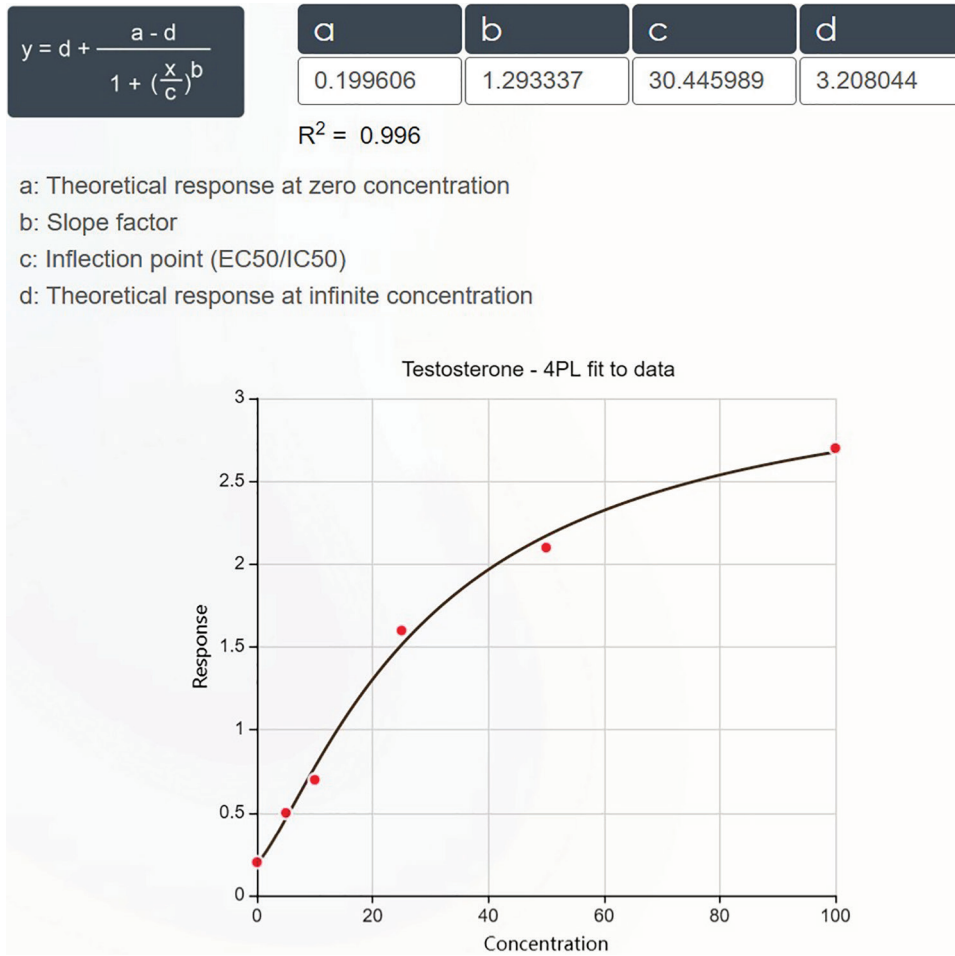


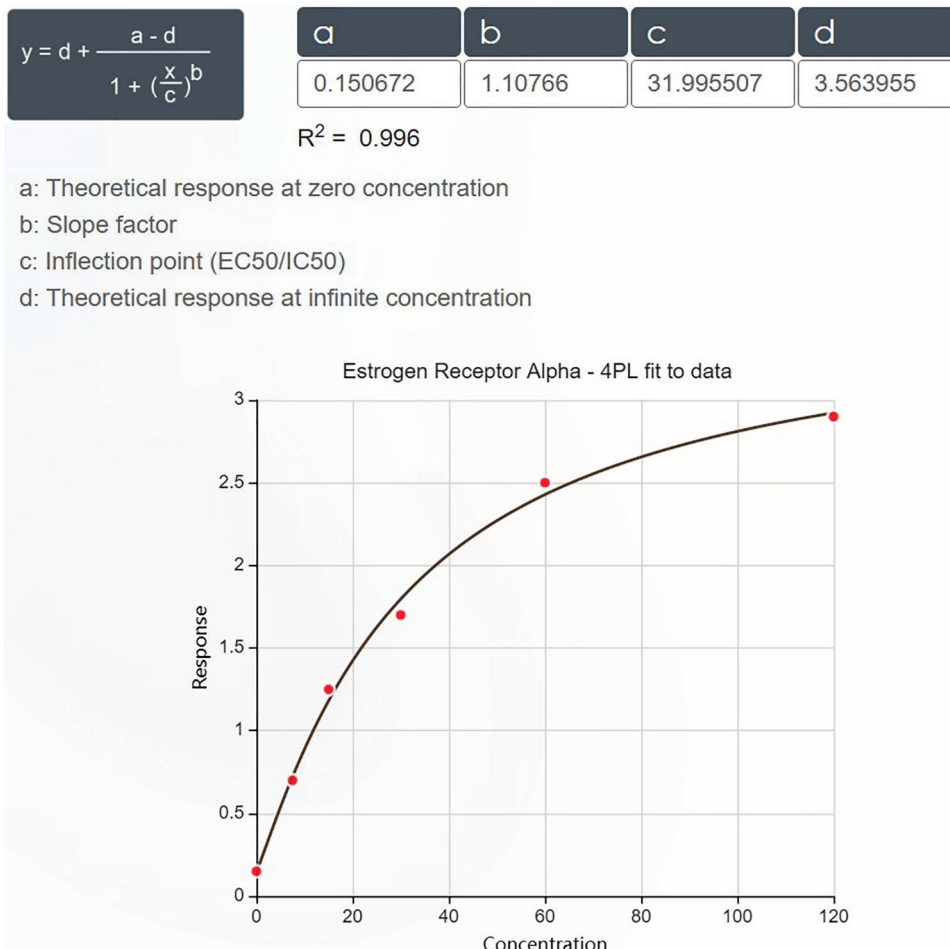
Standard curves were validated by <https://www.arigobio.com/elisa-analysis>.



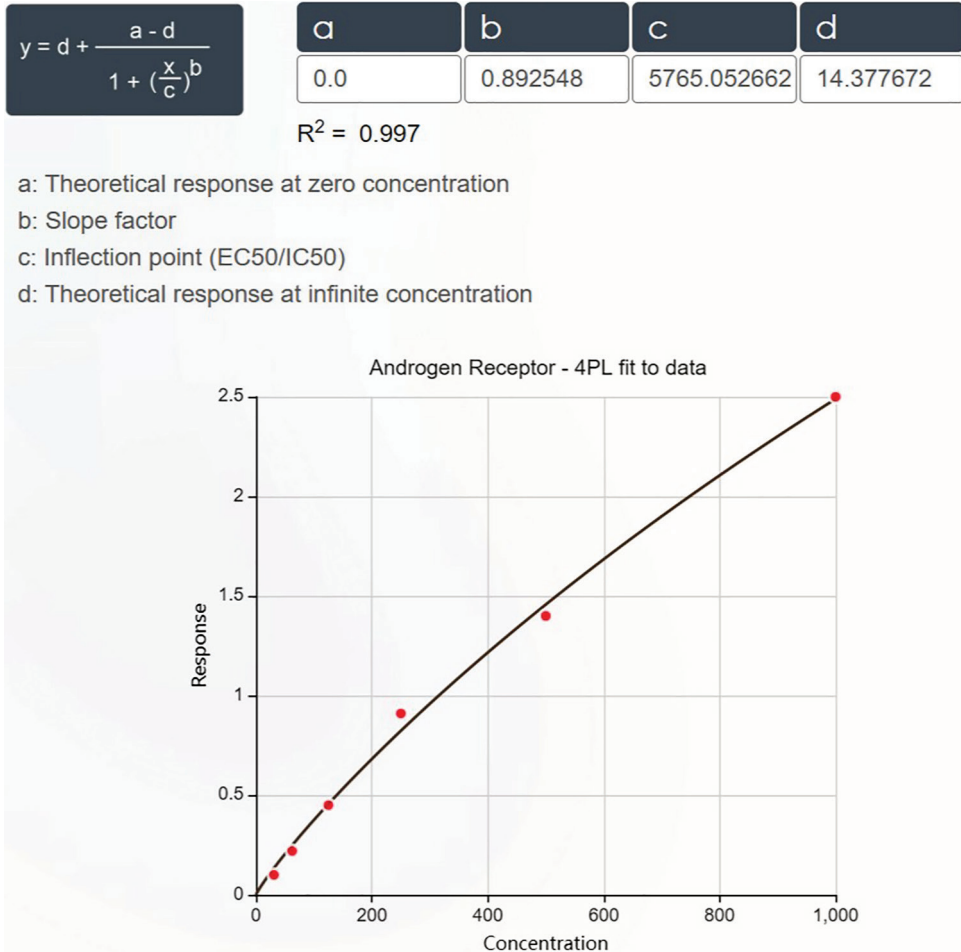
Supplementary figure 1: Elisa standard curve fitting for Estradiol hormone by four parameters logistic (4PL) model. An R^2 value of 1 would be perfect.



Supplementary figure 2: Elisa standard curve fitting for Testosterone hormone by four parameters logistic (4PL) model. An R^2 value of 1 would be perfect.



Supplementary figure 3: Elisa standard curve fitting for Estrogen Receptor by four parameters logistic (4PL) model. An R^2 value of 1 would be perfect.



Supplementary figure 4: Elisa standard curve fitting for Androgen Receptor by four parameters logistic (4PL) model. An R^2 value of 1 would be perfect.