

Prolactin ELISA assay validation for naked mole-rat urine

To validate the performance of the prolactin assay (ELISA E-EL-GP0358, Elabscience Biotechnology, USA) for urine samples, we assayed (1) serially-diluted naked mole-rat urine from a lactating female that had recently given birth and (2) standards that were spiked with 50ul of naked mole-rat pooled urine. The displacement curves of the urine samples were parallel to the standards (Figure SI 5, below) thus validating the use of urine with this assay for this species.

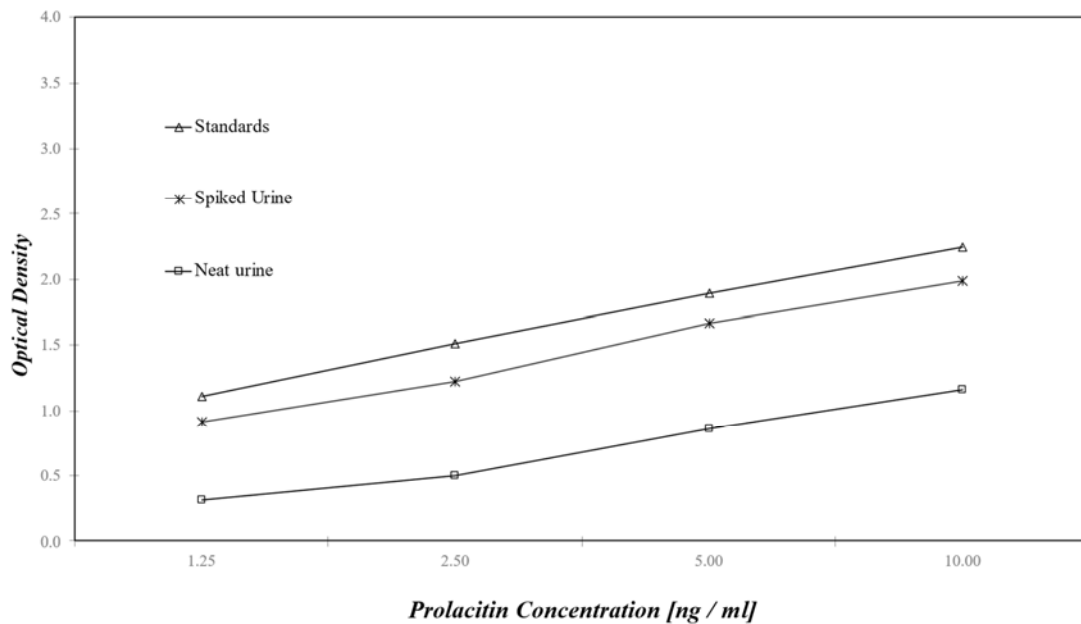


Figure SI 5. Assay validation revealed by parallelism of double diluted NMR urine and standards that were spiked with 50ul of naked mole-rat urine, using standards for the prolactin ELISA assay. The optical density measures the ELISA colour change, which is proportional to the concentration of prolactin.