Modeling Corticosteroid Pharmacokinetics and Pharmacodynamics – I: Determination and Prediction of Dexamethasone and Methylprednisolone Tissue Binding in the Rat

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Figure S1. Time-course of *in vitro* stability of methylprednisolone in freshly prepared homogenates from freshly harvested male rat liver (orange), freshly prepared homogenates from cryopreserved male rat liver (blue), and freeze-thawed homogenates from cryopreserved male rat liver (red) at a 3X dilution of tissue. Symbols represent observed values from a single rat.

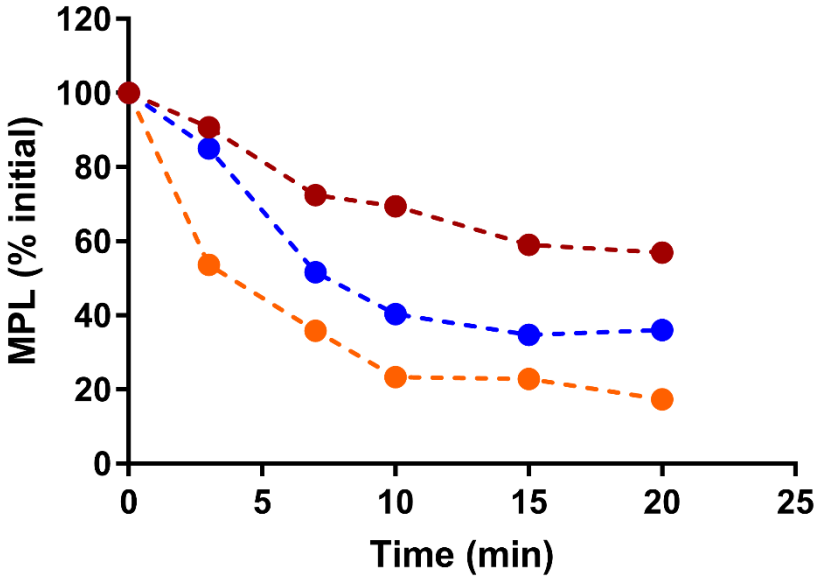

Figure S2. Stability of dexamethasone at initial concentrations of 1 μg/mL and 10 μg/mL in (3X, 4X ,6X, and 10X) diluted rat liver homogenates after incubation at 37 ºC for 30 min.

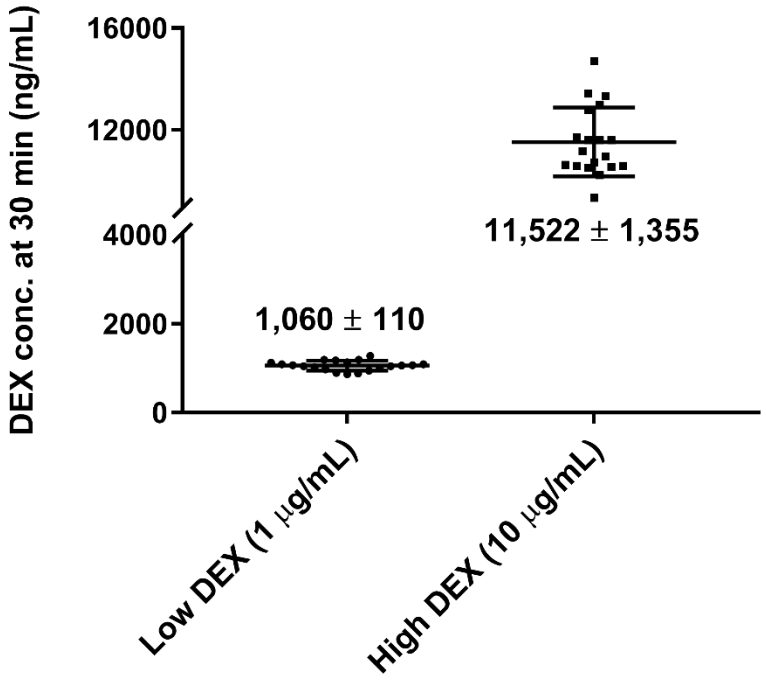

Figure S3. Effect of dilution of male rat livers on the linearity of total protein concentrations in homogenates determined using Lowry assay.