I. Title: Pharmacokinetic parameters of cefovecin in adult sea otters (*Enhydra lutris*)

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III. Hypothesis:
   a. Cefovecin will achieve long-term therapeutic plasma levels in sea otters when dosed subcutaneously and assayed using high performance liquid chromatography.

   Study Objectives:
   a. To determine the pharmacokinetic parameters of cefovecin when administered subcutaneously to sea otters at the Food and Drug (FDA) labelled dose for dogs and cats (8 mg/kg).
   b. To determine if cefovecin concentrations exceed minimum inhibitory concentrations (MIC) for organisms isolated from sea otters.
   c. To validate a high performance liquid chromatography (HPLC) method for measuring cefovecin concentrations in sea otter plasma samples.