

Table S1: Standard plasma analytes measured.

Analyte	Method
AST(U/L)	Kinetic; oxaloacetate reaction
ALP (U/L)	Kinetic; p-nitrophenyl phosphate
Calcium (mg/dL)	Arsenazo III method
Cholesterol (mg/dL)	Enzymatic; cholesterol esterase, peroxidase
Glucose (mg/dL)	Enzymatic; cholesterol esterase, peroxidase
Magnesium (mg/dL)	Xylidyl Blue indicator
Phosphorus, inorganic (mg/dL)	Molybdate method
Total Protein (g/dL)	Biuret method
Triglycerides (mg/dL)	Enzymatic; glycerophosphate oxidase
Uric Acid (mg/dL)	Enzymatic; uricase, peroxidase
Osmolality (mmol/Kg)	Vapor pressure

AST = aspartate aminotransferase; ALP = alkaline phosphatase