

Supplementary Figure 1: *Multi-compartmental model for kinetic analysis of ApoB-100 metabolism.*

Compartment 3 represents plasma leucine into which the leucine tracer was injected. Compartment 4 is the delay compartment, representing the time required for the synthesis and secretion of ApoB-100 into the plasma. Compartments 1 and 2 represent plasma VLDL₁-ApoB-100 and VLDL₁ remnants-ApoB100 respectively. Compartments 11 and 12 represent plasma VLDL₂-ApoB-100 and VLDL₂ remnants-ApoB100 respectively. Compartments 21 and 22 represent plasma IDL-ApoB100 and IDL remnants-ApoB100 respectively. Compartment 31 represents plasma LDL-ApoB-100. $k(y,x)$ represents the fractional transfer coefficient from compartment x to compartment y (arrows).