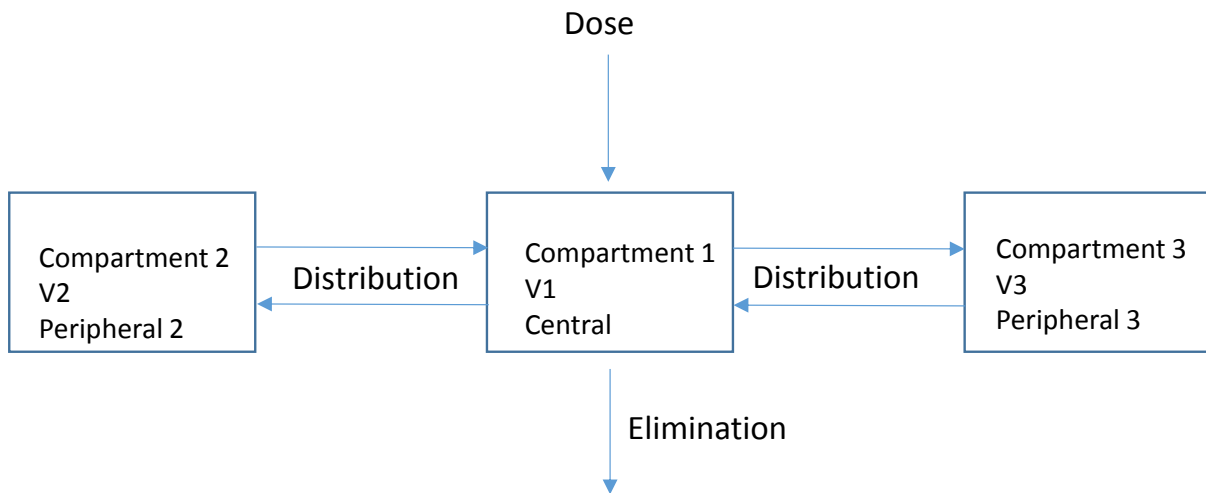


Supplementary Appendix 1

Standard 3-Compartment Model



V1, V2 and V3 are the physiological volumes of each respective compartment

Alpha, beta and gamma HL are the respective half-lives of the first, second and third decay phases

MRT is the mean residence time (average time spent in animal) of cobalt

Vss is the steady-state volume of distribution for cobalt

CL is the plasma clearance for cobalt