

compartmental analysis

Mathematical process leading to a model of transport of a substance in terms of compartments and rate constants, usually taking the form

$$C = Ae^{-\alpha t} + Be^{-\beta t} \dots$$

where each exponential term represents one experiment. C is the substance concentration; A, B, \dots are proportionality constants; α, β, \dots are rate constants; and t is time.

2004, 76, 1045