

$$\begin{array}{ccccccc}
\mathcal{C}_1 & \begin{array}{c} k_a^+ c \\ \rightleftharpoons \\ k_a^- \end{array} & & \mathcal{C}_2 & \begin{array}{c} k_b^+ c \\ \rightleftharpoons \\ k_b^- \end{array} & & \mathcal{R}_1 \\
& & k_e^+ c \quad \Downarrow \quad & k_e^- & & k_c^- \quad \Downarrow \quad & k_c^+ c \\
& & \mathcal{O}_1 & \begin{array}{c} k_d^+ c \\ \rightleftharpoons \\ k_d^- \end{array} & & \mathcal{R}_2 & \begin{array}{c} k_f^+ c \\ \rightleftharpoons \\ k_f^- \end{array} & \mathcal{R}_3
\end{array}$$