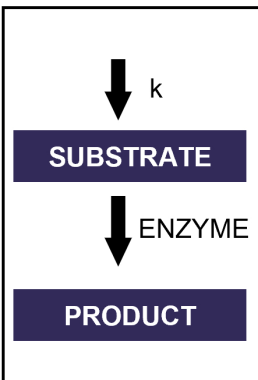


## Model building



$$\dot{S} = k - \frac{V_{\max E} [S]}{K_M + [S]}$$
$$\dot{P} = \frac{V_{\max E} [S]}{K_M + [S]}$$

## Model validation

