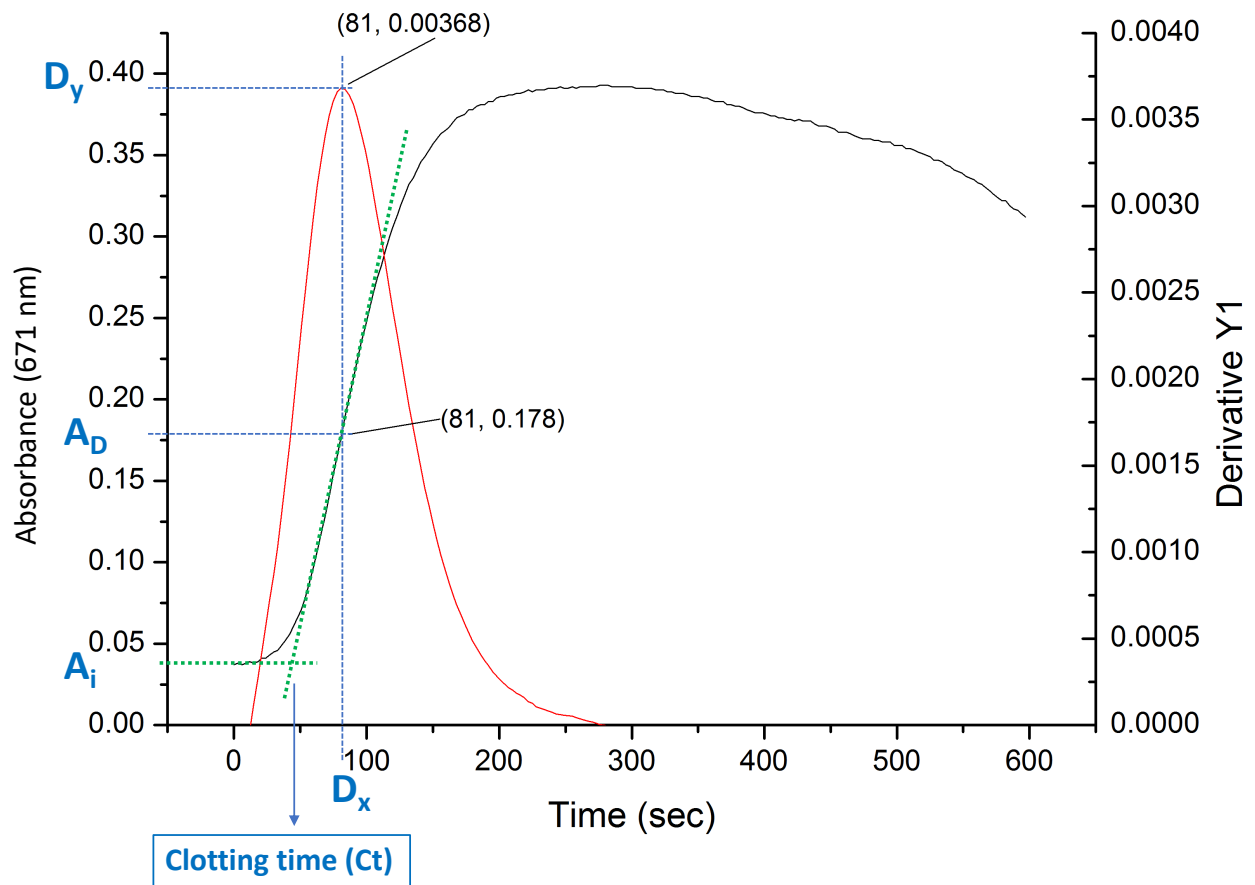


Clotting time calculation



The peak of the first derivative (D_x , D_y) locates the point of maximum speed of the reaction. The value (D_y) of the first derivative in D_x correspond to the slope of the tangent line at the point (D_x , A_D)

The equation of the tangent line and passing through (D_x , A_D) follows:

$$\begin{cases} y = mx + b \\ m = D_y \\ b = A_D - D_y D_x \end{cases}$$

$$y = D_y x + A_D - D_y D_x$$

The coordinate (Ct) of the intersection point is:

$$\begin{cases} y = D_y x + A_D - D_y D_x \\ y = A_i \end{cases}$$

$$x = Ct = \frac{A_i - A_D + D_y D_x}{D_y}$$