

Calculation of the content of indole derivatives

Generate the standard curve using the concentration of the standard substance on the x-axis and the OD value on the y-axis. By substituting the OD value of the sample into the equation, determine the actual concentration of the sample.

The regression equation for the standard curve:

IAA: $y = -0.0084x + 2.1965$; $R^2 = 0.996$.

LA: $y = -0.003x + 1.8176$; $R^2 = 0.999$.

TRP: $y = -0.137x + 3.0972$; $R^2 = 0.985$.

ILA: $y = 9.3903x - 0.769$; $R^2 = 0.992$.