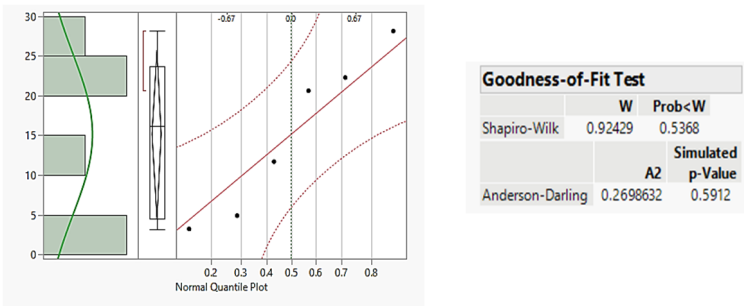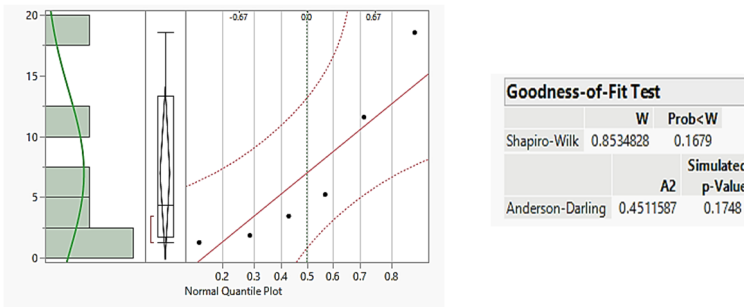**Supplementary Data**

Supplementary Figure S1(a)

Supplementary Figure S1(b)

Supplementary Figure S1(a): Immediate post-exposure true relative ratio of fluorescence intensity. Data distribution of the immediate post-exposure true relative ratio of fluorescence intensity Supplementary Figure S1(b): true relative ratio of fluorescence intensity 24 hours post-exposure. With a linear relationship. Data distribution of the true relative ratio of fluorescence intensity 24 hours post-exposure. The model displayed a good fit (R-square = 0.967) with a strong positive relationship between the two variables (Correlation=0.983, p-value=0.0004). The model is statistically significant (F (1,4) = 119.72 and p-value = 0.0004). Therefore, the model with a p-value of 0.004 is statistically significant in predicting the true relative ratio of fluorescence intensity based on the equation: True Relative Ratio (within 1hr post-irradiation) = -3.432133 + 0.5305514*Exposure Time

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