

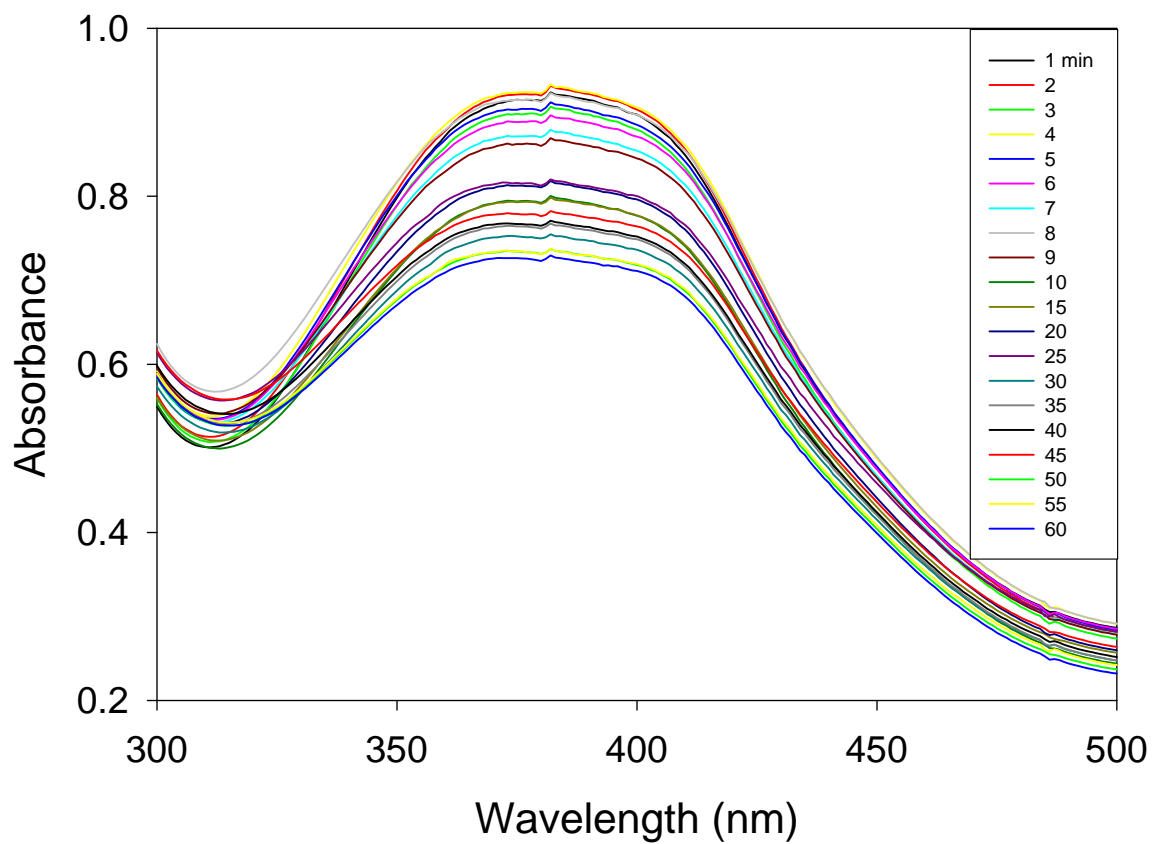
**Pretreatment of Whole Blood Using Hydrogen Peroxide and UV Irradiation.**

**Design of the Advanced Oxidation Process and Kinetic Studies**

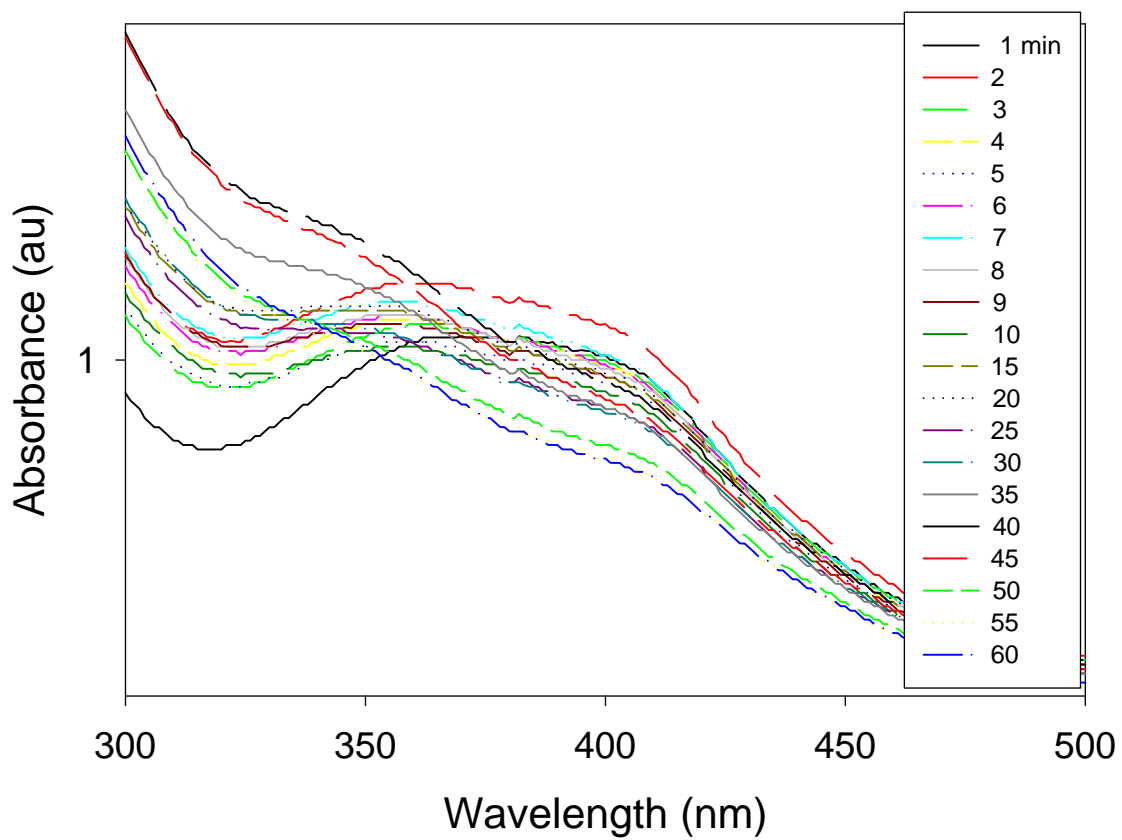
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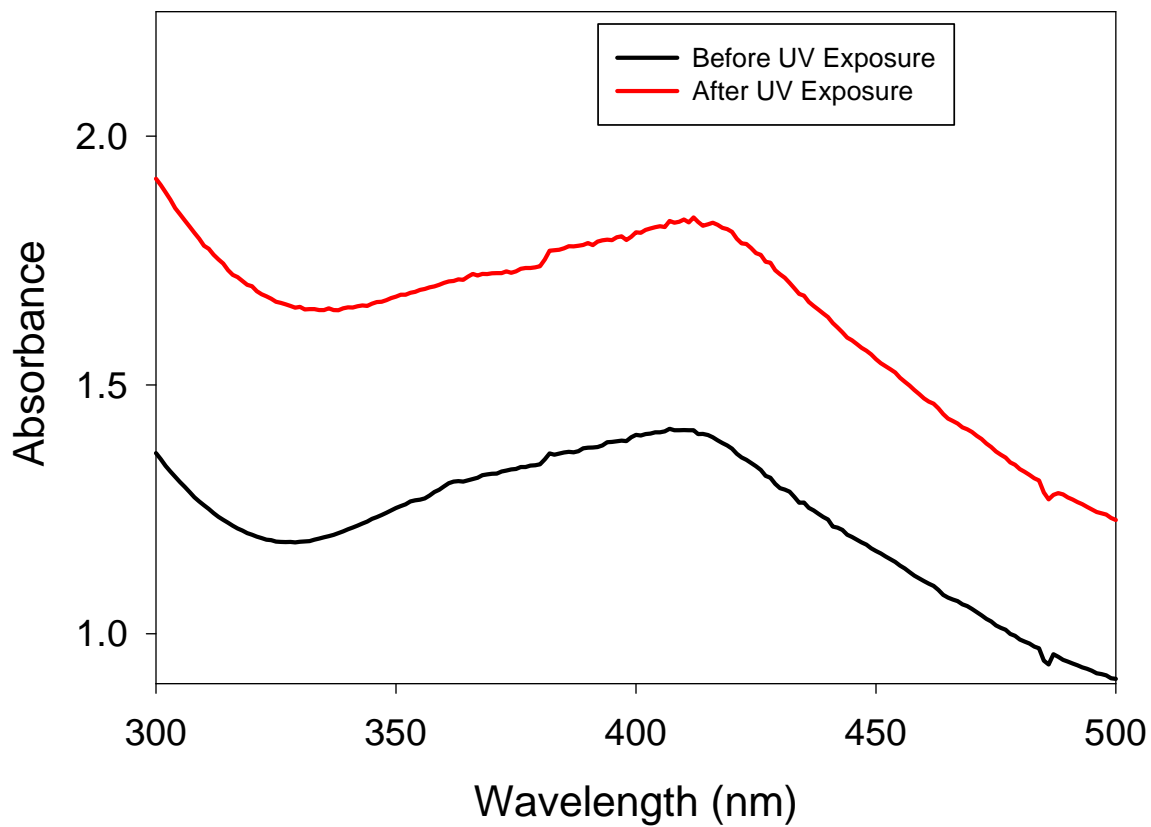
**Supporting Information**



**Figure S1.** UV/Vis spectra of blood in the AOP pretreatment in Exp. 2, as shown by the peak at 380 nm.  $C_{\text{H}_2\text{O}_2} = 1.5 \text{ g L}^{-1}$

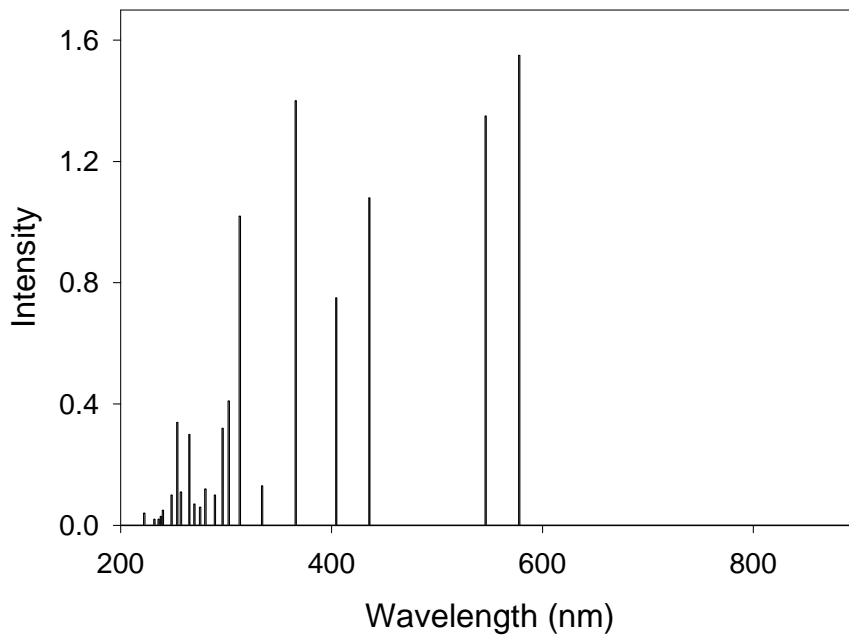


**Figure S2.** UV/Vis spectra of blood in the AOP pretreatment in Exp. 4, as shown by the peak at 380 nm.  $C_{\text{H}_2\text{O}_2} = 1.5 \text{ g L}^{-1}$

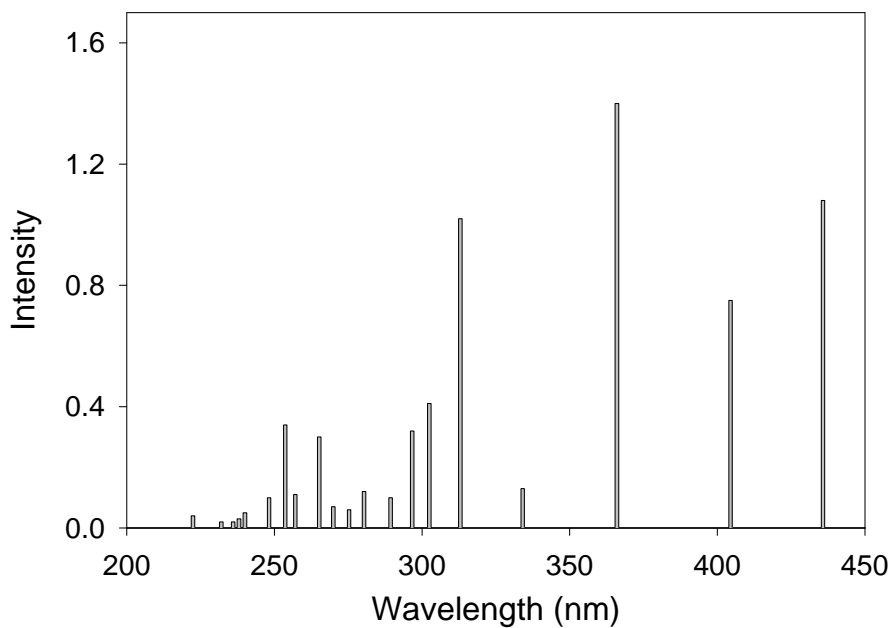


**Figure S3.** UV/Vis spectra of blood in the AOP pretreatment in Exp. 5, as shown by the peak at 380 nm.  $C_{\text{H}_2\text{O}_2} = 1.5 \text{ g L}^{-1}$

### 100-W UV Lamp Spectrum



### 100-W UV Lamp Spectrum (200-450 nm)



**Figure S5.** Spectrum of the 100-W Ace-Hanovia UV lamp. The plots were made based the spectral energy distribution of radiated mercury lines in the lamp provided by Ace Glass, Inc., Vineland, NJ.