

An Attenuated Total Reflection (ATR) and Raman spectroscopic investigation into the effects of chloroquine on *Plasmodium falciparum*-infected red blood cells

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Electronic Supplementary Information

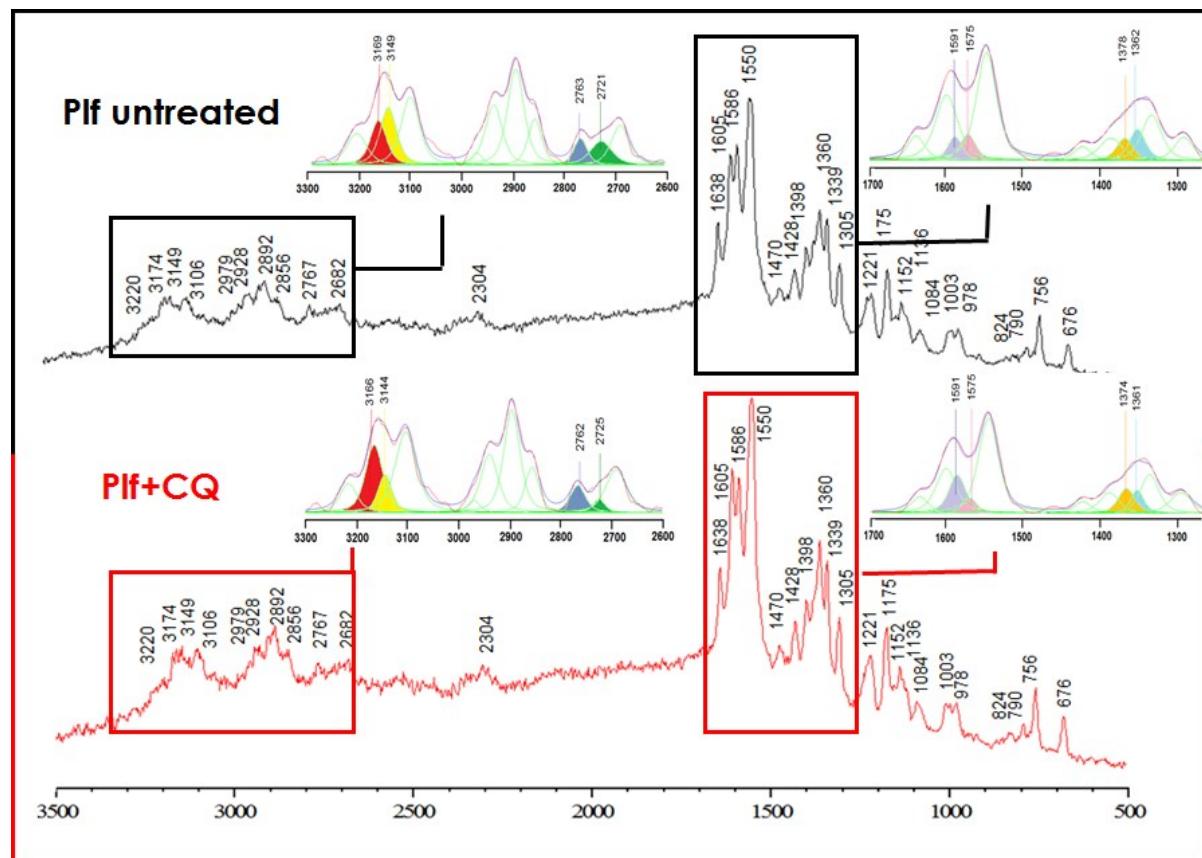


Fig S1. Raman spectra of untreated (Plf untreated) and CQ-treated (Plf+CQ) hemoglobin part of *P. falciparum*- iRBCs using 532 nm excitation for 2nd independent trial. The insets show curves fitted spectral ranges (left 3300–2600 cm⁻¹; right 1700–1300 cm⁻¹).

Table S1. Band ratio's for a curve-fitting approach and calculated integrated areas under the oxy/deoxy maker bands both in the fundamental and overtone region for 2nd independent trial.

	v_4 oxy / v_4 deoxy ~ 1377/1361	v_{37} oxy / v_{37} deoxy ~ 1587/1575	$2xv_4$ oxy / $2xv_4$ deoxy ~ 2754/2722	$2xv_{37}$ oxy / $2xv_{37}$ deoxy ~ 3175/3150
CQtreated	2,12±0,12	3,11±0,15	2,19±0,26	2,24±0,45
untreated	0,72±0,08	0,83±0,17	0,68±0,04	0,75±0,07