

Mailafiya, M. M., Abubakar, K., Danmaigoro, A., Chiroma, S. M., Rahim, E. B. A., Moklas, M. A. M., & Zakaria, Z. A. B. (2019). Evaluation of in vitro release kinetics and mechanisms of curcumin-loaded cockle shell-derived calcium carbonate nanoparticles. *Biomedical Research and Therapy*, 6(12), 3518-3540. <https://doi.org/10.15419/bmrat.v6i12.580>

SUPPLEMENTARY FILE

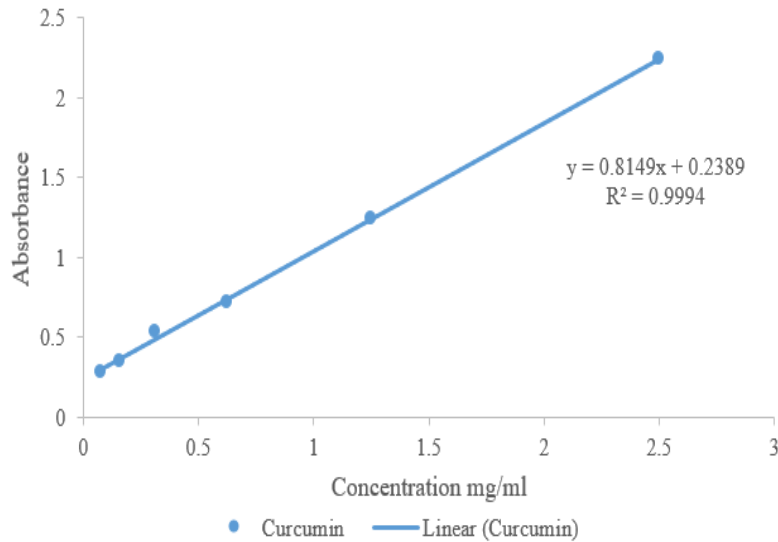


Figure 1S: Drug loading. Standard calibration curve for absorbance verses different curcumin concentration

Table 1S: *In vitro* Kinetic Release

pH 1.2	pH 4.8	pH 7.4
NaCl (2g)	0.1M citric acid (50.70)	PBS (8 g)
Concentrated Hcl (7 mL)	0.2M Na ₂ HPO ₄ (49.30)	Deionized H ₂ O (800 mL)
Pepsin (3.2 g)		
Deionized H ₂ O (1000 mL)		

Different pH solutions used for the *in vitro* kinetic release