Supplementary materials

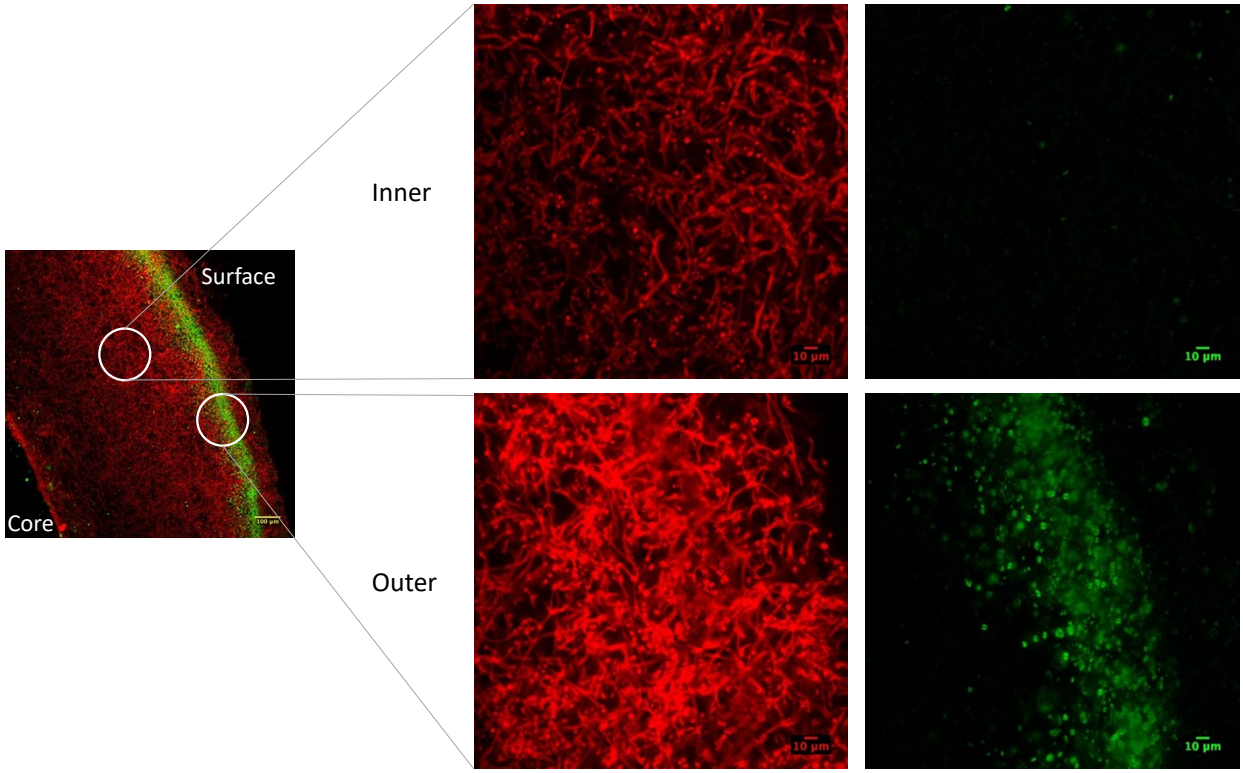

Figure S1: Distribution of curcumin (green) in YE/FP-c (fungal hyphae cell wall was stained with Congo red) after the small intestinal digestion phase (40x magnification).

Table S1: Fitted zero order[a] and first order[b] model parameters to the release of curcumin from FP-c and YE/FP-c after 30 min into the *in vitro* intestinal phase, plus the model fitting RMSE and correlation coefficients.

Encapsulation system	Model	Rate (k, 10^{-3} min^{-1})	95% CI of k (10^{-3} min^{-1})	RMSE	Correlation
FP-c	Zero order	2.11	[1.79, 2.45]	0.017	0.988
	First order	3.76	[3.44, 4.08]	0.0098	0.996
YE/FP-c	Zero order	0.784	[0.593, 0.975]	0.010	0.970
	First order	1.22	[1.03, 1.41]	0.0095	0.972

[a] *Zero order model:* $M_t = M_0 + kt$

[b] *First order model:* $M_t = M_0(1 - e^{-kt})$

M_t, M_0 *are the cumulative release at time t and time 0.*