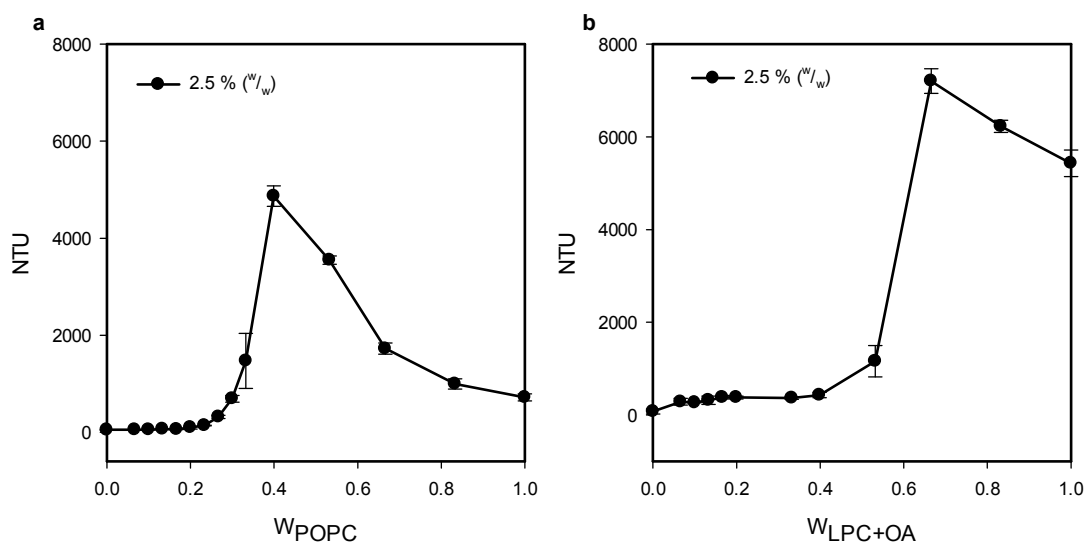**SUPPORTING INFORMATION**

Figure S1. Complete solubilisation plot of POPC and digested POPC (LPC+OA) by GDX at varying total lipid concentrations 2.5 % $^w/_w$. See Figure 3 for description of X-axis. (a) Turbidity of POPC/GDX mixtures. (b) Turbidity of LPC+OA/GDX mixtures.

Table S1. Predicted phase boundary from regression analysis

% $^w/_w$	Mass Fraction	
	POPC	LPC+OA
0.25	0.54†	0.55†
0.5	0.45†	0.49†
1.0	0.31†	0.49†
1.5	0.27*	0.53†
2.0	0.27*	0.54†
2.25	0.28*	0.49†
2.5	0.29†	0.52†

[5] These fractions represent the phase boundaries calculated form turbidity curves using regression analysis. †The average of 3 data sets was taken for each solution in turbidity measurement. *The average of 2 data sets was taken for each solution in turbidity measurement.