$DLC \%=\frac{Amount of drugs entrapped in nanoparticles}{Initial amount of drug added}×100 \%$ (1)

$DLE \%=\frac{Amount of drugs entrapped in nanoparticles}{Total amount of nanoparticles}×100 \%$ (2)

$$Cell viability \left(\%\right)=\frac{OD\_{sample}-OD\_{blank}}{OD\_{control}-OD\_{blank}}×100\% \left(3\right)$$

V= a×b2/2 (4)