

LDH Cytotoxicity Assay Kit

PROBLEMS	POSIBLE REASONS	SOLUTIONS
Low Absorbance Values		
	Low Cell Density	Determine optimal cell number
	Inhibition of LDH enzyme	Check samples for the presence of LDH inhibitory compounds
	Inadequate reagent storage	Follow manufacturer instruction
High Absorbance of Medium Control		
	LDH presence in serum	
	High LDH activity in culture medium supplemented with serum	Reduce the serum concentration to 1-5%.
	Phenol Red	
	High absorbance by phenol red presence in medium	Use phenol-red free medium
High Absorbance of Spontaneous LDH Release Control		
	High Cell Density	Determine optimal cell number
	Stressful culture conditions in serum free media	Check the cells and use serum concentration to 1-5%.
	Cell lysis by vigorous pipetting during cell plating	Mix by gently pipetting
High Variability Between Replicates		
	Presence of bubbles	Centrifuge the plate 10 minutes at 600g or break the bubbles with a needle.
	Pipetting errors	Use a multichannel pipette