

GAPDH mRNA Silencing

細胞培養器材表面処理によるKnockDown効率の違い

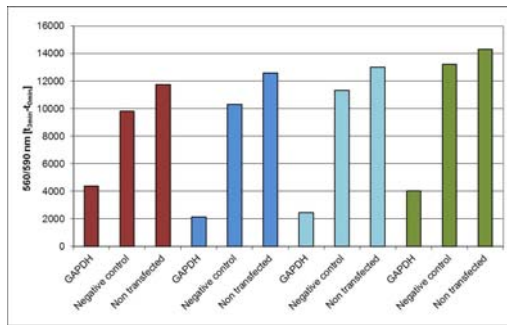


Figure 5: Evaluation of GAPDH knockdown by RNAi technology of HeLa cells plated on various surfaces. HeLa cells were transfected with siRNA against GAPDH mRNA and a negative control siRNA construct to show the influence of the surface on GAPDH protein knockdown. Non-transfected HeLa cells were used as a control to evaluate cytotoxicity of transfection itself. Indicated are relative fluorescence units at 560/590 nm at t0 min and t3 min, thus representing the relative GAPDH activity.

Surface	GAPDH knockdown [%]
Tissue culture treated	55.3
Advanced TC™	79.3
Poly-D-Lysine	78.4
Collagen Type I	69.6

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Table 1: Percentage of total GAPDH knockdown of HeLa cells transfected with GAPDH siRNA on different surfaces.

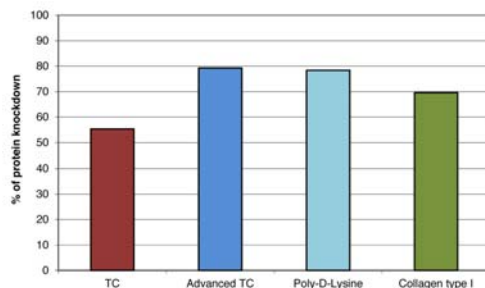


Figure 6: Graphic chart of the total GAPDH knockdown of HeLa cells transfected with GAPDH siRNA on Tissue Culture, Advanced TC™, Poly-D-Lysine and Collagen type I surfaces.

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