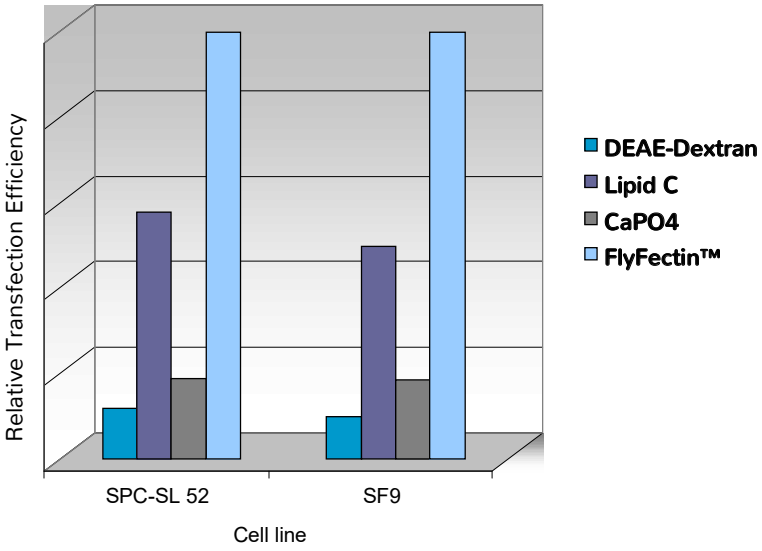
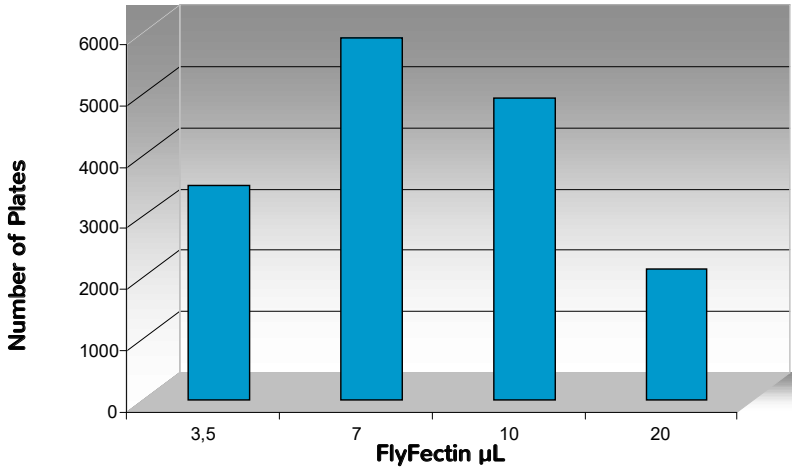
FlyFectin™ Transfection Reagent - Results

FlyFectin ™ efficiency compared to other transfection reagents



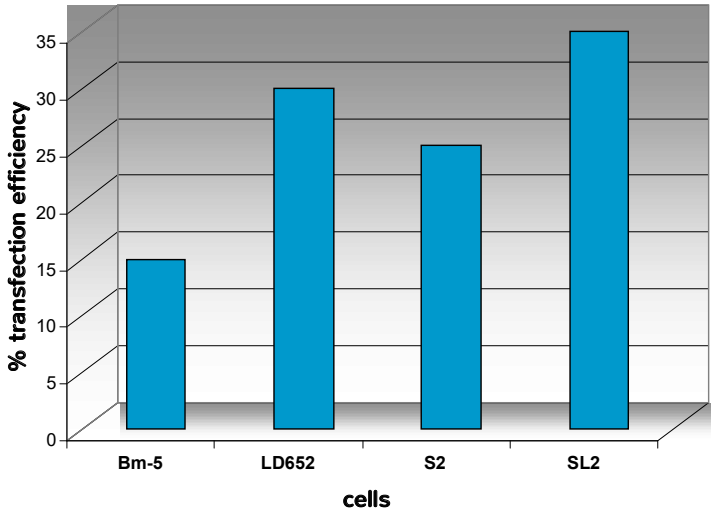
Cells were transfected with optimized protocols as described in the instruction manual. The other transfection reagents were assayed according to the manufacturer's instruction. Luciferase activities were measured with a Luciferase assay kit and results are expressed as relative values.

FlyFectin ™ optimization on Sf9 cells



Sf9 cells were seeded at day of transfection into 60 mm plates at a density of about 2.5 x 10^6 cells per ml in complete insect cell medium. The transfection complex was formed in a total of 50 L of serum-free insect cell medium. 3.5, 7, 10, 20 L of FlyFectin were mixed with 600 ng of DNA and incubated at room temperature for 15 min. Then, the mixture was added to cells and incubated for 1 hour; thereafter the cell monolayer was overlaid with a layer of agarose. 4 days later cells were stained to detect plaques.

FlyFectin ™ transfection efficiency in several cell lines



Various cells were transfected in 6 well plate (LD652 and SL2) or in 25cm^2 flask (S2 and Bm-5) with 2µg of DNA (6 well) or 15-20µg DNA (flask) and 5 to 6 µL of FlyFectin per µg of DNA. Transfection efficiency was monitored 18 to 72 h after transfection.