LIPOFECTION

- Dissolve Tfx™-10, -20 or -50 in 400 µl nuclease-free water.
  Vortex and incubate at 65 °C for 1 min.

  Store at -20 °C.

- Culture cells to 80% confluency on 24-well plate.

- Prepare complete medium without serum.
  Add DNA to medium, mix well
  Add Tfx™ at ratio Tfx™ : DNA = 3 : 1 according to table:

	Amount of DNA per well			
	0.25 µg	0.50 µg	0.75 µg	1.00 µg
medium	1.4 ml	1.4 ml	1.4 ml	1.4 ml
DNA	1.8 µg	3.5 µg	5.3 µg	7.0 µg
Tfx™	7.9 µl	15.8 µl	23.6 µl	31.5 µl

  (ratio Tfx™ : DNA = 2 : 1 or 4 : 1 can also be tried)

- Incubate medium/DNA/Tfx™ lipofection mix at RT for 15 min.

- Incubate cells in 200 µl lipofection mix at 37 °C for 30 min.

- Add 1 ml complete medium (with serum).

- Incubate cells for 24-48 h.

- A LacZ reporter plasmid can be used to measure transfection efficiency.

  NOTE

  Optimal conditions for ES cells: 0.75-1.00 µg of DNA per well
  Tfx™-50 : DNA = 3:1