SignaGen® Laboratories *A Gene Delivery Company…*

GenMute™ Reagent Short Protocol – siRNA Transfection

DAY 1: Prepare GenMute™ Transfection Buffer (1x) working solution and cell seeding

► Dilute one part of stock solution of GenMute™ Transfection Buffer (5x) with 4 parts of ddH2O to make GenMute™ Transfection Buffer working solution (1x).

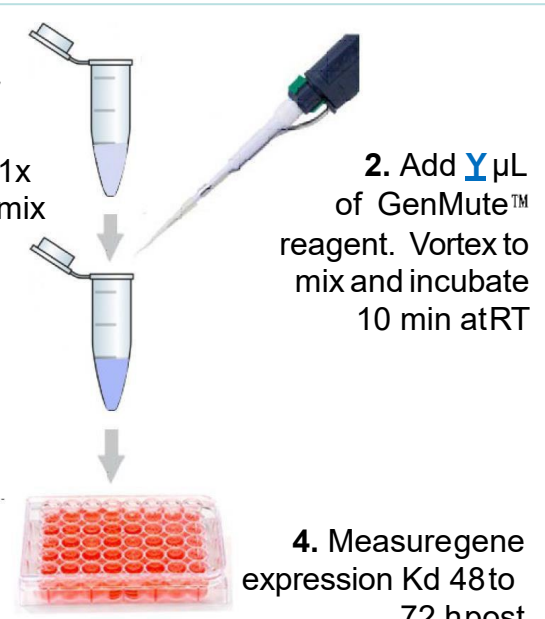
► Cell seeding = ~50% confluency at the day of transfection.

DAY 2: Transfection mix = GenMute™ Reagent Y (µL) with X pmol siRNA at final 5.0 nM

► Perform transfection in the presence of serum/antibiotics.

► Use GenMute™ Transfection Buffer (1x) only.

► Perform siRNA transfection referring to the picture and table below.



Culture Dish	Growth Medium (mL)	Transfection Buffer (1x) (µL) - W	siRNA (pmol) Final 5.0 nM - X	GenMute™ Reagent (µL) – Y
24-well	1	50	5.0	1.2
12-well	1.5	75	7.5	2.0
6-well	2	100	10	2.4
60 mm	5	300	25	7.2
10 cm / Flask 75	10	600	50	14

DAY 3~4: Measure knock-down of the gene expression

Visit the following link for complete protocol
https://signagen.com/products/genmute-sirna-transfection-reagent