

GenePORTER® 3000



Transfection Optimization Table

For GP3K transfection optimization we recommend following the GenePORTER® 3000 protocol (Genlantis Cat. No T203007, T203015, T203115), *Transfection of Adherent Cells*, **Section B** using low amounts of DNA in 96 to 24 well plate format using the recommended ranges in **Table 1** below.

Table 1: Recommended GP3K Transfection Reaction Optimization Ranges for 0.25, 0.50, 1.0 and 2.5 µg of DNA/well

Plate Type	Condition	DNA Amount µg	GP3K-Diluent µl	Serum-free Medium µl	GP3K Reagent µl
96 well	1	0.25	4.17	7.0	1.17
96 well	2		6.25	7.0	1.31
96 well	3		12.5	7.0	1.75
96 well	4		25.0	7.0	2.63
96 well	5		37.5	7.0	3.50
96-48 well	1	0.50	8.33	7.0-14.0	2.33
96-48 well	2		12.5	7.0-14.0	2.63
96-48 well	3		25.0	7.0-14.0	3.5
96-48 well	4		50.0	7.0-14.0	5.25
96-48 well	5		75.0	7.0-14.0	7.0
48-24 well	1	1.00	16.97	14.0-28.0	4.67
48-24 well	2		25.0	14.0-28.0	5.25
48-24 well	3		50.0	14.0-28.0	7.0
48-24 well	4		100.0	14.0-28.0	10.5
48-24 well	5		150.0	14.0-28.0	14.0
24 well	1	2.0	33.3	56.0	9.3
24 well	2		50.0	56.0	10.5
24 well	3		100.0	56.0	14.0
24 well	4		200.0	56.0	21.0
24 well	5		300.0	56.0	28.0