# Transfection with Lipofectamin 2000 (Invitrogen)

| Culture Vessel | 96-well | 48-well | 24-well | 12-well | 6-well | 35 mm | 60 mm | 100 mm | 150 mm | T25 | T75 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface area ($cm^2$) | 0.3 | 0.7 | 2 | 4 | 10 | 10 | 20 | 60 | 140 | 25 | 75 |
| Ratio to 24-well Plate | 0.2 | 0.4 | 1 | 2 | 5 | 5 | 10 | 30 | 70 | 12.5 | 37.5 |

- ? Cell confluency 80-90% is the best.
  For each well/dish to be transfected,
- ? dilute LA200 in OptiMEM and DNA in OptiMEM.
- ? Incubate @ RT for 5 min.
- ? Combine the DNA and the LA2000, mix, incubate @ RT for 20 min to allow DNA-lipid complexes to form.
- ? Add the mix directly to each well containing cells and mix gently by rocking the dish.
- ? Return the dish to the $CO_2$incubator.
- ? Assay the cells 24-48 h after transfection.

| Culture Vessel | 24-well | 12- well | 6- well, 35 mm | 60 mm | 100 mm | T25 | T75 |
|---|---|---|---|---|---|---|---|
| Volume of OpitMEM | 50 | 100 | 250 | 500 | 1500 | | 1800 |
| LA2000, ?l | 2 | 4 | 10 | 20 | 60 | | 75 |
| DNA, ?g | 0.5 | 1 | 2.5 | 5 | 15 | | 20 |