Lentivirus Preparation(2nd Generation)

Co transfection:

Date: Vector:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DNA  Preparation  RT 5min hold | Element | Stock Con. | ug/p10 | ug/T75 | Total Volume |
| pMD2.G |  | 2.5 | 3.2 |  |
| pSPAX2 |  | 7.5 | 9.4 |  |
| pVector |  | 10 | 12.5 |  |
| opti-MEM |  |  |  | to 1ml |
| PEI  Preparation  RT 5min hold | PEI  (2.5 or 0.25 ug/ul) |  | 40-60 | 50-75 |  |
| Opti-MEM |  |  |  | to 1ml |
| Mix RT 20 min |  |  |  |  | 2ml |

In general, pMD2.G:pPSPX2:pVector ratio of 1:3:4 is recommended.

Use of total DNA of 20 ug p10, T75 using total DNA of 25 ug

The PEI mass is generally 2-4 times the total plasmid mass

Culture using incomplete medium, replaced with complete medium 6-8 h after transfection; Or directly using complete medium for 24 hours

Post-Transfection Medium Replace Date & Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Virus Harvest Date & Time:

1st Harvest\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2nd Harvest\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3rd Harvest\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4th Harvest\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_