

Shipping cell cultures in PetakaG3 bioreactor without cryopreservation



SHIPPING CELL MONOLAYER CULTURES IN PETAKA G3

STEP A (BEFORE SHIPPING)

1. Be sure that the cells were properly prepared for shipment (ATTACHED)
2. Be sure that the cells were 75% confluent immediately before shipping
3. Be sure that the pH of the media was neutral or slightly acidic (orange or yellow the media Phenol read indicator)

STEP B

4. Avoid, if possible, traveling times longer than 15 days
5. Be sure that the shipment didn't suffer disastrous accidents

STEP C

6. At arrival check under the microscope the cell conditions
7. Live the Petaka resting in horizontal position for at least 2 hours or even overnight
8. Check under the microscope the cell conditions
9. Withdraw the shipping media completely
10. Check under the microscope the cell conditions
11. Inject carefully 24 mL of new media with additives
12. Incubate in HORIZONTAL POSITION until the cells become confluent
13. (If both sides are cultured flip the petaka every 12 hours)

STEP D

14. Detach the cells with 3 mL of the detaching solution and incubate in horizontal position following the specific protocol
15. Check cell detachment under the microscope
16. Inject in Petaka G3 7 mL of new media with the appropriate additives according with the new cell culture protocol
17. Softly shake the Petaka in order to disperse evenly the cells in the media
18. With a Pipette and a 200 microL tip get a sample of the cell suspension and estimate the cell concentration and cell viability

STEP E

19. Withdraw all media with cells and transfer them dosing the suspension to new cell culture devices, Petaka G3 or any other device
20. Add new media up to the normal level according with the cell culture device and protocol.

SHIPPING SUSPENDED CELL CULTURES IN PETAKA G3

STEP A (BEFORE SHIPPING)

1. Use preferable Petaka G3 FLAT
2. Be sure that the cells are properly prepared for shipment (25 mL of total media)
3. Be sure that the cells are viable immediately before shipping
4. Be sure that the pH of the media is neutral or slightly acidic (orange or yellowish media Phenol read indicator)

STEP B

5. Avoid if possible traveling times longer than 15 days
6. Be sure that the shipment didn't suffer disastrous accidents

STEP C

7. At arrival check under the microscope the cell conditions (pick through the port 200 microL sample and check cell concentration and viability)
8. Softly shake the Petaka in order to disperse evenly the cells in the media
9. With a Pipette-pipettor withdraw and transfer X ml of media with cells to new Petakas G3 (preferable FLAT) or other device
10. Add to the ne Petakas (or other devices) new media up to 25 mL (or the normal level according with the cell culture device and protocol).

