

Recommendation for using Biofreeze

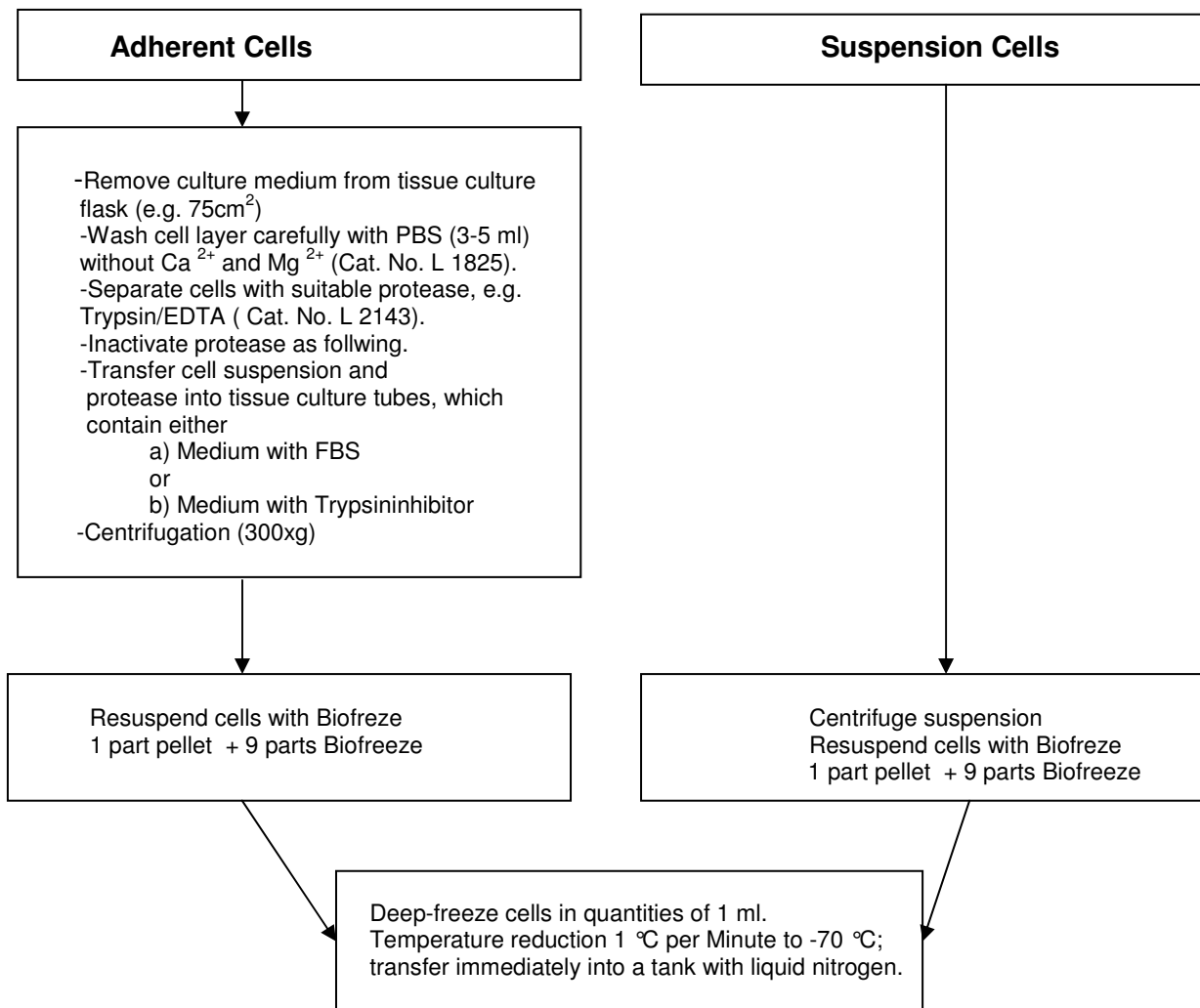
Biochrom AG Information

Biofreeze - Biochrom AG's new freezing medium. It creates an environment for cell viability comparable with conventional freezing media, but has key advantages:

DMSO-free: The function of dimethyl sulphoxide (DMSO), which is highly toxic to cells, is replaced by a less toxic anti-freezing agent. Biofreeze is demonstrably free of substances of animal origin and is also free of genetically modified organisms.

Biofreeze is particularly suitable for all mammalian cells that should remain free of animal products: for the manufacture of medicines made from cell cultures or to enable tissue reconstruction. Use Biofreeze as you do with your current freezing medium.

1 Recommendation



2 Recommended cell count

- Suspension cells: 5 x 10⁶ cells/ml
- Adherent cells: 1 x 10⁶ cells/ml
- Very small cells: 1 x 10⁷ cells/ml
- Aliquot in 1 ml freezing media per cryovial and place on ice.

3 Thawing cells

1. Remove the frozen culture from the nitrogen tank
2. Quick thawing in a water bath at 37 °C
3. Transfer the cell suspension into a tissue culture tube with 10 ml medium and 10-20 % FBS
4. Centrifugation (300 x g)
5. Discard the supernatant and resuspend the cells in the designated medium
6. Transfer the cell suspension in a tissue flask
7. Change the medium the next day

4 References

Leitfaden f. d. Zell- u. Gewebekultur, Hans Jürgen Boxberger, Wiley-VCH