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Tips for Using EliteGro™-Adv. In Cell Cultivation

- Thaw frozen EliteGro™-Adv. product in a 37°C water bath before use.
  Thawing EliteGro™-Adv. at 37°C, instead of at 4°C, is recommended to reduce the clot or insoluble particles forming
- EliteGro™-Adv. shows optimal growth of MSC and Immunocytes at 5% (v/v) in typical cell culture media.
- For using EliteGro™-Adv. product, addition of Heparin or any anti-coagulant is NOT required.

Tips for Using EliteGro™-Adv. to Grow Mesenchymal Stem Cells (MSCs)

- We recommend **seeding MSCs at approximately 6,000 ~ 8,000 cells/cm^2.** NOT over 10,000 cells/cm^2.
- We recommend to perform passage or cell harvest at 70% to 80% of cell confluence. Exceeding 100% of cell confluence may result in cell detachment.
- To harvest the cells, **0.05~0.06% trypsin is recommended**. Slowly add trypsin along the flask to cover the cells, incubate at **room temperature for 30 to 60 sec**. 0.12% or *0.25% trypsin may cause damage to the cells and results in low cell attach rate or decreasing cell growth rate after the sub-seeding.*

EliteGro™-Adv. Storage

- EliteGro™-Adv. product is most stable when stored frozen (-20°C) until preparing the completed medium.
- Once EliteGro™-Adv. product is thawed, we recommend to use it immediately for completed medium preparation (e.g. 5%), or to aliquot it into single-use tubes and store unused aliquots at -20°C.
- It is highly recommended to prepare the completed medium containing EliteGro™-Adv. (e.g. 5%) on the same day or one day before cell culture and store the unused completed medium containing EliteGro™-Adv. at 2ºC to 8ºC no longer than 2 weeks.
- Repeated freeze-thaw cycles should be avoided, as they will cause an increase in insoluble particles and potential decrease EliteGro™-Adv. performance.

Precipitation in Cell Culture

- Clotting or insoluble particles may form in thawed EliteGro™-Adv., it is recommended to centrifuge at 3,400 xg for 3 ~ 5 minutes or to filter the liquid concentrate with a sterile 40 µm Cell Strainer to remove clotting or insoluble particles. **0.22 µm filtering is NOT recommended for EliteGro™-Adv. at 100% concentrate.**

SAFETY INFORMATION:

Users should handle EliteGro™-Adv. products in accordance with bio-safety and biohazard practices, including wearing appropriate protective eyewear, clothing, and gloves.

No additional virus inactivation/removal treatments are conducted in EliteGro™-Adv. manufacture, users are suggested to assess the risk to their final product if intended for human use.