PriCells

PriCells: Beginning Cultures from Proliferating Primary Cells

Note: PriCells primary cells for research use only.

T-flasks of proliferating culture primary cells from PriCells are filled to capacity with transport medium. The caps of the flasks have been tightened firmly and bound with Parafilm. T-flasks have been individually sealed to provide a secondary delivering barrier against any leakage that may happen on the way by shipping. Follow the instructions below upon condition of proliferating culture primary cells you have received.

1. If any of the transporting flasks has leaked or broken, DO NOT USE.

2. If no transporting medium have leaked from the flasks, you can remove each of the flasks sealed with Parafilm and place culture of primary cells in a 5% CO_2/95% air, 37^{o}C, and humidified incubator after using 70% ethanol or isopropanol. This allows any cells that might have detached during transport to re-attach on the surface of the flasks.

3. After incubating for 5 hours or checking primary cells on your technical experience under a microscope, you can aspirate transportation medium and then add the appropriate primary cell culture system (0.2 ml/cm^2) (www.pricells.com or www.pricells.com.cn).

Note: We recommend using culture of primary cell culture system from PriCells (www.pricells.com or www.pricells.com.cn).

4. After replacing the flasks caps and loosening of the caps slightly, return flasks of primary cells to a 5% CO_2/95% air, 37°C, and humidified incubator. For best results, do not disturb the culture for at least 24 hours after the culture has been initiated.

Note: To achieve the highest cell densities, change the primary cell culture system every day as the cultures approach confluence. In general, primary cell cultures seeded at 5.0×10^3 cells/cm^2 from cryopreserved cells should reach 80% confluency in 5-7 days upon primary cell medium and other factors.

5. For further instructions on maintenance and subculture of the cells, you can refer to the appropriate document or contact www.pricells.com or www.pricells.com.cn.

Caution

1. Trypsinization: Cultured primary cells can be harmful when exposure of the cells to the Trypsin/EDTA solution for excessive lengths of time can occur during trypsinization.

2. Centrifugation: Centrifugation of primary cells at excessive g forces is also harmful, especially, cryopreserved primary cells.

3. Although cryopreserved cells are tested for the presence of various hazardous agents, diagnostic tests are not necessarily 100% accurate.

4. Primary cells may haven other known or unknown agents, or organisms that could be harmful to your health or your environment.

5. You MUST wear protective clothing and eyewear during processing culture of primary cell. The appropriate disposal techniques for potentially pathogenic or biohazardous materials MUST be used in your procedures.

6. In case of contact with eyes, you MUST rinse immediately with plenty of water and seek medical advice.