PriCells

PriCells: Maintaining Collection Cultures of Primary Cells

Note: PriCells primary cells for research use only.

1. Change the cell culture medium to freshly primary cell culture system (www.pricells.com or www.pricells.com.cn), 24 to 48 hours after establishing a secondary culture from cryopreserved cells. For subsequent subcultures, change primary cell culture systems (www.pricells.com or www.pricells.com.cn) within 48 hours after establishing the subculture.

2. Change primary cell culture system (www.pricells.com or www.pricells.com.cn) every other day thereafter, until the primary cells is approximately 80% confluent.

Note: We recommend subculturing the cells once the culture reaches 80% confluency. However, if cell densities in excess of 80% are desired, change primary cell culture system (www.pricells.com or www.pricells.com.cn) every day once the cells exceed 80% confluency.

3. Incubate culture of primary cells in a 37^{o}C, 5% CO_2/95% air, and humidified cell culture 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 (www.pricells.com or www.pricells.com.cn) 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.

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4. 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.