

## Rat Adipose-Derived Mesenchymal Stem Cells (ADSCs)

Catalogue No.: abx700054

Rat Adipose-derived Mesenchymal Stem Cells (ADSCs) are Adherent Rat Mesenchymal Stem Cells from Rat Adipose-derived.

<b>Target:</b>	Adipose-Derived Mesenchymal Stem Cells (ADSCs)
<b>Origin:</b>	Rat
<b>Host:</b>	Rat
<b>Purity:</b>	Negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi.
<b>Storage:</b>	Shipped at -70 °C. Upon receipt, store in liquid nitrogen (-196 °C). Avoid repeated freeze/thaw cycles.
<b>Validity:</b>	12 months.
<b>Buffer:</b>	Contains 90% FBS and 10% DMSO.
<b>Biological Activity:</b>	Cell activity: > 85% (viability by Trypan Blue exclusion)
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. This product is shipped with dry ice.
<b>Directions for use:</b>	<b>Recommended Cell Culture Conditions:</b> DMEM/F12 + 5% FBS + Rat Mesenchymal Stem Cell Growth Supplement + 1% Penicillin-Streptomycin Solution @ 37 °C, 95% air, 5% CO <sub>2</sub> . <b>Cell Recovery:</b> Thaw cells in a 37 °C water bath with shaking until the mixture has dissolved. Transfer to a centrifuge tube and add culture medium (see Recommended Cell Culture Conditions above) at a volume 3-5 times the volume of the cells. Centrifuge at 1000 RPM for 5 minutes and discard the supernatant. Transfer to a T25 flask for culture. <b>Suggested Cell Passage Procedure:</b> Cells should be 85-95% confluent before cell passage is carried out. <ol style="list-style-type: none"><li>1. Discard the medium and wash with PBS 1-2 times.</li><li>2. Add 1 ml of Trypsin at 37 °C, then observe the cells under a microscope.</li><li>3. When the cells appear retracted and rounded, gently tap the culture flask to detach the cells. Stop the trypsinization by adding 2 ml of culture medium containing 10% serum.</li><li>4. Add fresh medium to resuspend the cells. The recommended ratio of primary cells is 1/2. Pipette to obtain a single cell suspension.</li></ol>