



Cell Characterization Data Sheet

Donor #: 269-ASC

Lot #: ER20211029

Cell type: hASC, P0

SKU: OS-101-01, OS-101-02, OS-305-01, OS-305-02, OS-305-03

Analysis Date: 3/13/2023

Publication Date: 4/20/2023

Results

| <i>Analysis</i> | <i>Specification</i> | <i>Value</i> | <i>Unit</i> | <i>Method</i> |
|--|-----------------------------------|--------------|--|--------------------------------|
| <i>Sterility - Fungal</i> | Clear | Pass | | Microscopy |
| <i>Sterility - Bacterial</i> | Clear | Pass | | Microscopy |
| <i>Differentiation - Adipogenic</i> | Positive staining; lipid droplets | Positive | | Oil red O staining |
| <i>Differentiation - Osteogenic</i> | Positive staining; calcification | Positive | | Alizarin Red staining |
| <i>Proliferation</i> | >0% indicating metabolic activity | 12.7% ± 0.9 | % reduction, 24-48hr (average ± stdev) | alamarBlue proliferation assay |
| <i>Colony Forming Units - Fibroblast</i> | 0-100 units | 8.75 | # colonies per 100 cells | Toluidine Blue Staining |

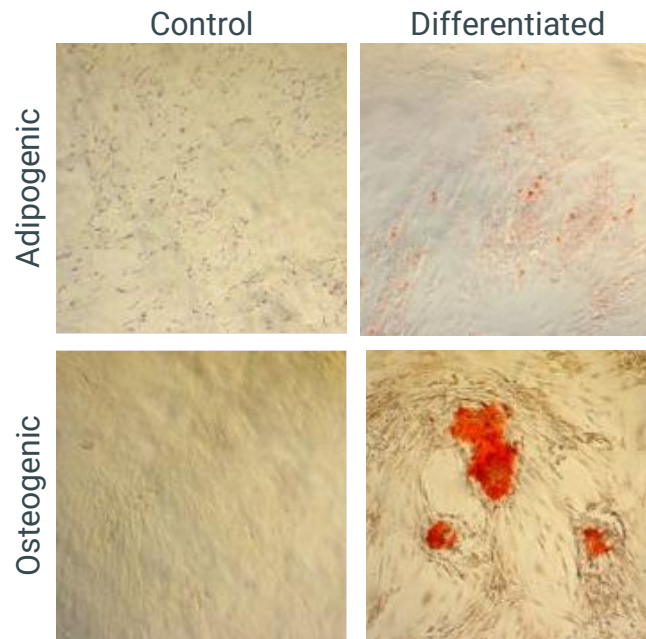


Figure: Brightfield microscopy images, 10X. Osteogenic condition stained with Alizarin Red for calcification. Adipogenic condition stained with Oil Red O for lipid.

Conforms to quality standards for commercial release.

Chief Scientific Officer



Cecilia Sanchez