

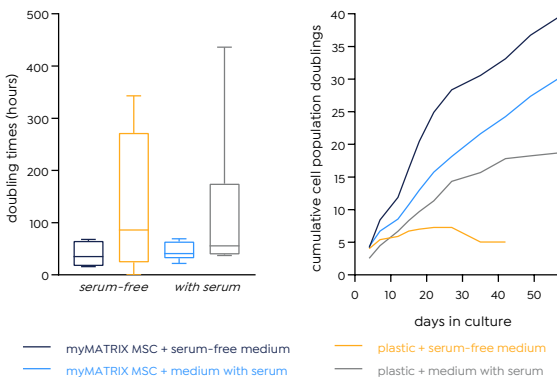


# Information sheet

denovoMATRIX develops and manufactures biomimetic coatings that enable the culture of a wide variety of primary cells, stem cells and established cell lines. In vivo, extracellular matrix (ECM) molecules serve specific roles, which contribute to regulation of adhesion, differentiation, migration, phenotype, organization and structure. Our myMATRIX coatings recapitulate key functions of the natural ECM making cell culture easy, robust and biologically relevant.

## Ready-to-use cultureware for hMSCs

myMATRIX MSC provides a specifically tailored micro-environment for long-term cultivation of functional human mesenchymal stromal cells (hMSCs) in serum-free culture conditions. It is chemically defined, animal origin-free and easy to use: unpack, seed cells, get results.



Bone marrow-derived hMSC grown on myMATRIX MSC or tissue culture treated plastic in serum-containing or serum-free medium. Using myMATRIX MSC results in shorter doubling times (left) and higher cumulative population doublings (right).

## IMPORTANT NOTES

- Always use aseptic techniques such as laminar flow hood and sterilized equipment
- Take care not to scratch the surface of myMATRIX MSC plates when pipetting – this can potentially result in cells exposed to the tissue culture plastic
- myMATRIX MSC cultureware is stable for 12 months at room temperature

## KEY FEATURES

- Ready-to-use
- Animal- and human component free/chemically defined
- Supports hMSC adhesion and proliferation
- Consistent and robust growth rate
- hMSCs retain multipotency

