

Cell Type: hMSC-BM

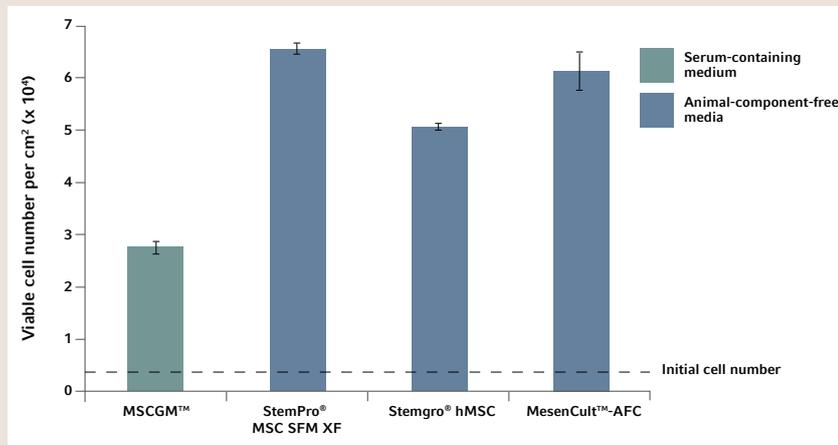
Performance of Eppendorf CCCadvanced® FN1 motifs surface

Background

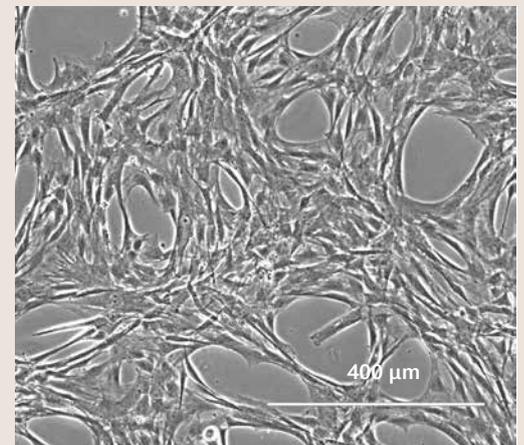
The cultivation of human mesenchymal stem cells (hMSCs) in a defined animal-component-free environment circumvents the drawbacks of an inconsistent culture system due to lot-to-lot variability of media supplements like serum. The CCCadvanced® FN1 motifs cultureware provides a completely synthetic growth surface for long-term cultivation in animal-free and restrictive culture systems. With their unique properties the FN1 motifs surface and the Eppendorf CellXpert® C170i CO₂ incubator combine convenient and reliable MSC cultivation.



A



B



Bone marrow-derived hMSCs grown on FN1 motifs

(A) Proliferation in different commercial culture media, (B) Morphology after long-term expansion in animal-component-free medium

Conclusion

The synthetic FN1 motifs surface efficiently supports the expansion of bone marrow-derived hMSCs grown in xeno-free and animal-component-free culture media. The cells show their characteristic fibroblast-like morphology even after long term cultivation in a completely defined, animal-component-free culture system.

Are you looking for detailed information on MSC culture on the FN1 motifs surface

Application Note No. 390:

Reliable and robust animal-component-free hMSC-BM expansion on ready-to-use Eppendorf CCCadvanced FN1 motifs surface

www.eppendorf.com/appnote390



Eppendorf products for your stem cell research

Ordering information

Description	Order no. international	Order no. North America
CCCadvanced® FN1 motifs Cell Culture Flasks T-175 with filter cap, sterile, free of detectable pyrogens, RNase and DNase, DNA. Non-cytotoxic. 5 flasks, individually wrapped	0038 120.030	0038120030
CCCadvanced® FN1 motifs Cell Culture Flasks, T-75 with filter cap, sterile, free of detectable pyrogens, RNase and DNase, DNA. Non-cytotoxic. 5 flasks, individually wrapped	0038 120.020	0038120020
CCCadvanced® FN1 motifs Cell Culture Plates, 6-well with lid, flat bottom, sterile, free of detectable pyrogens, RNase and DNase, DNA. Non-cytotoxic. 5 plates, individually wrapped	0038 110.010	0038110010
CCCadvanced® FN1 motifs Cell Culture Plates, 24-well with lid, flat bottom, sterile, free of detectable pyrogens, RNase and DNase, DNA. Non-cytotoxic. 5 plates, individually wrapped	0038 110.030	0038110030



Are you looking for a new CO₂ incubator for your precious stem cell culture?

www.eppendorf.com/cellxpert

Your local distributor: www.eppendorf.com/contact

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