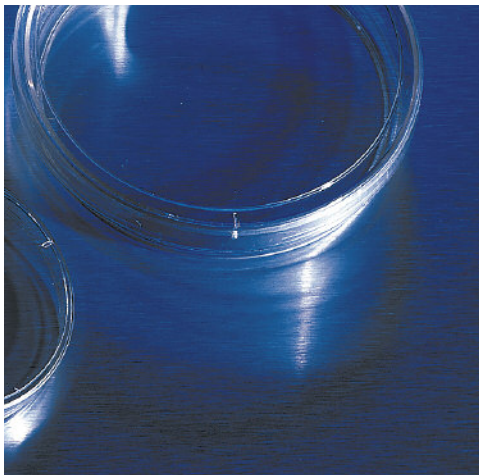
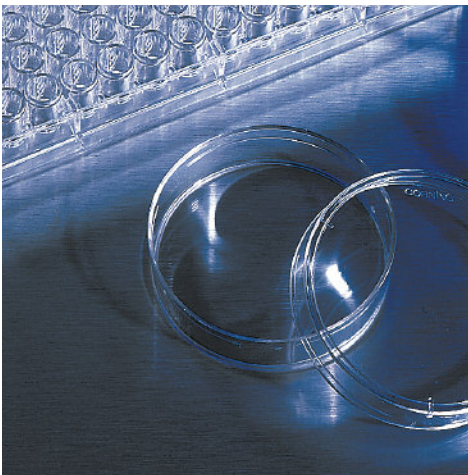
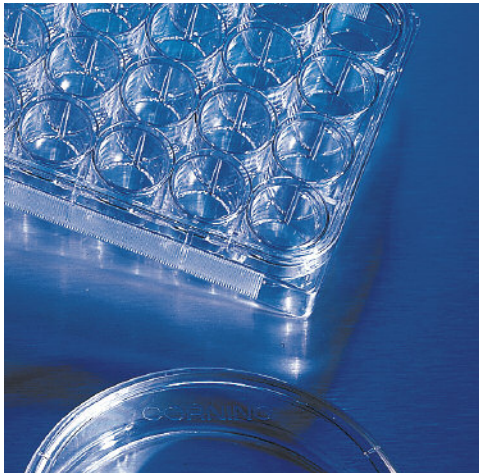
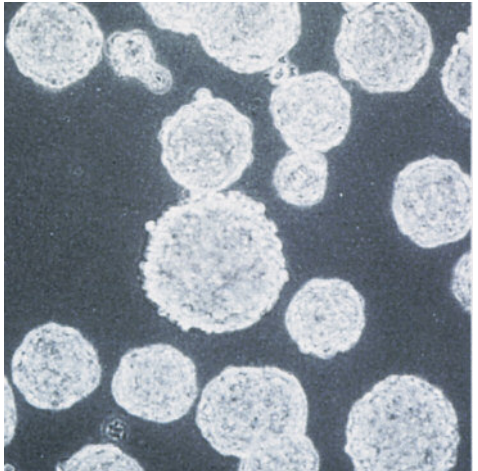


Corning® Ultra-Low Attachment Surface Bibliography: Organ Culture Applications



This document is a partial bibliography of some of the research using Corning® Ultra-Low Attachment Surface vessels for organ culture applications.

1. Adelow, C.A., and P. Frey. 2007. Synthetic hydrogel matrices for guided bladder tissue regeneration. *Methods Mol Med.* 140:125-40.
2. Akiyama, H., A. Ito, M. Sato, Y. Kawabe, and M. Kamihira. 2010. Construction of cardiac tissue rings using a magnetic tissue fabrication technique. *Int J Mol Sci.* 11:2910-20.
3. Alvarez-Barreto, J.F., S.M. Linehan, R.L. Shambaugh, and V.I. Sikavitsas. 2007. Flow perfusion improves seeding of tissue engineering scaffolds with different architectures. *Ann Biomed Eng.* 35:429-42.
4. Amos, P.J., S.K. Kapur, P.C. Stapor, H. Shang, S. Bekiranov, M. Khurgel, G.T. Rodeheaver, S.M. Peirce, and A.J. Katz. 2010. Human adipose-derived stromal cells accelerate diabetic wound healing: impact of cell formulation and delivery. *Tissue Eng Part A.* 16:1595-1606.
5. Buzhor, E., O. Harari-Steinberg, D. Omer, S. Metsuyanin, J. Jacob-Hirsch, T. Noiman, Z. Dotan, R.S. Goldstein, and B. Dekel. 2011. Kidney spheroids recapitulate tubular organoids leading to enhanced tubulogenic potency of human kidney-derived cells. *Tissue Eng Part A.* 17:2305-19.
6. Engelhardt, E.M., L.A. Micol, S. Houis, F.M. Wurm, J. Hilborn, J.A. Hubbell, and P. Frey. 2011. A collagen-poly(lactic acid-co-varepsilon-caprolactone) hybrid scaffold for bladder tissue regeneration. *Biomaterials.* 32:3969-76.
7. Engelhardt, E.M., E. Stegberg, R.A. Brown, J.A. Hubbell, F.M. Wurm, M. Adam, and P. Frey. 2010. Compressed collagen gel: a novel scaffold for human bladder cells. *J Tissue Eng Regen Med.* 4:123-30.
8. Engelmayr, G.C., Jr., M. Cheng, C.J. Bettinger, J.T. Borenstein, R. Langer, and L.E. Freed. 2008. Accordion-like honeycombs for tissue engineering of cardiac anisotropy. *Nat Mater.* 7:1003-10.
9. Freeman, J.W., M.D. Woods, D.A. Cromer, L.D. Wright, and C.T. Laurencin. 2009. Tissue engineering of the anterior cruciate ligament: the viscoelastic behavior and cell viability of a novel braid-twist scaffold. *J Biomater Sci Polym Ed.* 20:1709-28.
10. Fuji, T., T. Anada, Y. Honda, Y. Shiwaku, H. Koike, S. Kamakura, K. Sasaki, and O. Suzuki. 2009. Octacalcium phosphate-precipitated alginate scaffold for bone regeneration. *Tissue Eng Part A.* 15:3525-35.
11. Fujita, H., K. Shimizu, Y. Yamamoto, A. Ito, M. Kamihira, and E. Nagamori. 2010. Fabrication of scaffold-free contractile skeletal muscle tissue using magnetite-incorporated myogenic C2C12 cells. *J Tissue Eng Regen Med.* 4:437-43.
12. Hudson, J.E., G. Brooke, C. Blair, E. Wolvetang, and J.J. Cooper-White. 2011. Development of myocardial constructs using modulus-matched acrylated polypropylene glycol triol substrate and different nonmyocyte cell populations. *Tissue Eng Part A.* 17:2279-89.
13. Ishii, M., R. Shibata, Y. Numaguchi, T. Kito, H. Suzuki, K. Shimizu, A. Ito, H. Honda, and T. Murohara. 2011. Enhanced Angiogenesis by Transplantation of Mesenchymal Stem Cell Sheet Created by a Novel Magnetic Tissue Engineering Method. *Arterioscler Thromb Vasc Biol.* 31:2210-5. Epub 2011 July 14.
14. Ito, A., T. Takahashi, Y. Kawabe, and M. Kamihira. 2009. Human beta defensin-3 engineered keratinocyte sheets constructed by a magnetic force-based tissue engineering technique. *J Biosci Bioeng.* 108:244-7.
15. Kim, M., Y. Shin, B.H. Hong, Y.J. Kim, J.S. Chun, G. Tae, and Y.H. Kim. 2009. In vitro chondrocyte culture in a heparin-based hydrogel for cartilage regeneration. *Tissue Eng Part C Methods.* 16:1-10.
16. Krebs, M.D., K.A. Sutter, A.S. Lin, R.E. Guldberg, and E. Alsberg. 2009. Injectable poly(lactic-co-glycolic) acid scaffolds with in situ pore formation for tissue engineering. *Acta Biomater.* 5:2847-59.
17. Kretlow, J.D., P.P. Spicer, J.A. Jansen, C.A. Vacanti, F.K. Kasper, and A.G. Mikos. 2010. Uncultured marrow mononuclear cells delivered within fibrin glue hydrogels to porous scaffolds enhance bone regeneration within critical-sized rat cranial defects. *Tissue Eng Part A.* 16:3555-68.

18. Lindner, G., R. Horland, I. Wagner, B. Atac, and R. Lauster. 2011. De novo formation and ultra-structural characterization of a fiber-producing human hair follicle equivalent in vitro. *J Biotechnol.* 152:108-12.
19. Lopez-Heredia, M.A., J. Sohler, C. Gaillard, S. Quillard, M. Dorget, and P. Layrolle. 2008. Rapid prototyped porous titanium coated with calcium phosphate as a scaffold for bone tissue engineering. *Biomaterials.* 29:2608-15.
20. Matsui, A., T. Anada, T. Masuda, Y. Honda, N. Miyatake, T. Kawai, S. Kamakura, S. Echigo, and O. Suzuki. 2009. Mechanical stress-related calvaria bone augmentation by onlayed octacalcium phosphate-collagen implant. *Tissue Eng Part A.* 16:139-51.
21. Navarro-Alvarez, N., A. Soto-Gutierrez, Y. Chen, J. Caballero-Corbalan, W. Hassan, S. Kobayashi, Y. Kondo, M. Iwamuro, K. Yamamoto, E. Kondo, N. Tanaka, I.J. Fox, and N. Kobayashi. 2010. Intramuscular transplantation of engineered hepatic tissue constructs corrects acute and chronic liver failure in mice. *J Hepatol.* 52:211-9.
22. Ramaswamy, S., D. Gottlieb, G.C. Engelmayr, Jr., E. Aikawa, D.E. Schmidt, D.M. Gaitan-Leon, V.L. Sales, J.E. Mayer, Jr., and M.S. Sacks. 2010. The role of organ level conditioning on the promotion of engineered heart valve tissue development in-vitro using mesenchymal stem cells. *Biomaterials.* 31:1114-25.
23. Rederstorff, E., P. Weiss, S. Sourice, P. Pilet, F. Xie, C. Sinquin, S. Collic-Jouault, J. Guicheux, and S. Laib. 2011. An in vitro study of two GAG-like marine polysaccharides incorporated into injectable hydrogels for bone and cartilage tissue engineering. *Acta Biomater.* 7:2119-30.
24. Sadr, N., M. Zhu, T. Osaki, T. Kakegawa, Y. Yang, M. Moretti, J. Fukuda, and A. Khademhosseini. 2011. SAM-based cell transfer to photopatterned hydrogels for microengineering vascular-like structures. *Biomaterials.* 32:7479-90.
25. Sato, M., A. Ito, Y. Kawabe, E. Nagamori, and M. Kamihira. 2011. Enhanced contractile force generation by artificial skeletal muscle tissues using IGF-I gene-engineered myoblast cells. *J Biosci Bioeng.* 112:273-8.
26. Thomas, C.B., S. Maxson, and K.J. Burg. 2011. Preparation and characterization of a composite of demineralized bone matrix fragments and polylactide beads for bone tissue engineering. *J Biomater Sci Polym Ed.* 22:589-610.
27. Yamamoto, Y., A. Ito, H. Fujita, E. Nagamori, Y. Kawabe, and M. Kamihira. 2010. Functional evaluation of artificial skeletal muscle tissue constructs fabricated by a magnetic force-based tissue engineering technique. *Tissue Eng Part A.* 17:107-14.
28. Yamamoto, Y., A. Ito, M. Kato, Y. Kawabe, K. Shimizu, H. Fujita, E. Nagamori, and M. Kamihira. 2009. Preparation of artificial skeletal muscle tissues by a magnetic force-based tissue engineering technique. *J Biosci Bioeng.* 108:538-43.

For additional product or technical information, please visit www.corning.com/lifesciences or call 1.800.492.1110. Customers outside the United States, please call +1.978.442.2200 or contact your local Corning sales office listed below.

CORNING

Corning Incorporated *Life Sciences*

Tower 2, 4th Floor
900 Chelmsford St.
Lowell, MA 01851
t 800.492.1110
t 978.442.2200
f 978.442.2476

www.corning.com/lifesciences

Worldwide Support Offices

ASIA / PACIFIC

Australia/New Zealand
t 0402-794-347

China
t 86 21 2215 2888
f 86 21 6215 2988

India
t 91 124 4604000
f 91 124 4604099

Japan
t 81 3-3586 1996
f 81 3-3586 1291

Korea
t 82 2-796-9500
f 82 2-796-9300

Singapore
t 65 6733-6511
f 65 6861-2913

Taiwan
t 886 2-2716-0338
f 886 2-2516-7500

EUROPE

France
t 0800 916 882
f 0800 918 636

Germany
t 0800 101 1153
f 0800 101 2427

The Netherlands
t 31 20 655 79 28
f 31 20 659 76 73

United Kingdom
t 0800 376 8660
f 0800 279 1117

All Other European Countries

t 31 (0) 20 659 60 51
f 31 (0) 20 659 76 73

LATIN AMERICA

Brasil
t (55-11) 3089-7419
f (55-11) 3167-0700

Mexico
t (52-81) 8158-8400
f (52-81) 8313-8589