



2. Linsenmayer, TF. Collagen, in Cell Biology of Extracellular Matrix (ed., E.D. Hay) pp 5-37, Plenum Press, NY (1991).
3. Chan, B.M., and Hemler, M.E., *J. Cell Biol.*, **120**:537 (1993).
4. De Wever, O., et.al., *Int. J. Dev. Biol.*, **54**:887 (2010).
5. Baker, E.L., et.al., *PLoS One.*, **6**:e20355 (2011).
6. Gobeaux, F., et.al., *J. Mol. Biol.*, **376**:1509 (2008).
7. Wesley, R.B. II., et.al., *Arterioscler. Thromb. Vasc. Biol.*, **18**:432 (1998).
8. Izumi, T., et.al., *J. Cell. Physiol.*, **126**:155 (1986).
9. Sidhu, J.S., et.al., *Arch. Biochem. Biophys.*, **301**:103 (1993).
10. Gómez-Lechón, M.J., *J. Cell Physiol.*, **177**:553 (1998).
11. Vandeburgh, H.H., et.al., *In Vitro Cell Dev. Biol.*, **24**:166 (1988).
12. Hall, H.G., and Bissell, M.J., *Exp. Cell Res.*, **162**:379 (1986).
13. Azzam, H.S., and Thompson, E.W., *Cancer Res.*, **52**:4540 (1992).
14. Streuli, C.H., et.al., *J. Cell. Biol.*, **120**:253 (1993).

SAFETY RECOMMENDATION: Handle in accordance with good industrial hygiene and laboratory safety practices.

### Suggested Coating Procedures

Corning® Collagen I, human, has been shown to promote the attachment of HT-1080 (human fibrosarcoma) cells at concentrations as low as 0.1 µg/cm<sup>2</sup>. The optimal concentration for cell attachment and culture may differ for different cell types, and experimentation may be required to determine the optimal conditions for your cell culture system.

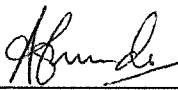
#### Thin Coating

- 1) Add sufficient volume of Corning Collagen I, human, to provide desired coating concentration. We recommend using a coating concentration of 0.2-2.0 µg/cm<sup>2</sup> depending on the cell type. Be sure that the volume added to the dish is sufficient to cover the growth surface. If necessary, dilute the Corning Collagen I, human, stock with 2 mM HCl.
- 2) Once growth surface has been completely covered, incubate for 2 hours at room temperature; tilt dish at 45° angle and allow excess Corning Collagen I, human, to drain to the lowest point in dish.
- 3) Remove excess material with sterile pasteur pipette.
- 4) Air dry plates by leaving lids ajar in a laminar flow tissue culture hood, or dry with a gentle stream of sterile gas.
- 5) Plates are now ready for use.

#### Gelling Procedure

- 1) Dilute Corning Collagen I, human, to desired concentration using 2 mM HCl.
- 2) Mix together nine parts Corning Collagen I, human, and one part of a 10X buffer or 10X media.
- 3) Add mixture to desired tissue culture vessel.
- 4) Incubate for 15 to 60 minutes at 37°C. Gel is ready for use, but must be handled carefully.

**NOTE:** For more details on Corning Collagen products and technical resources please visit support page at [www.corning.com/lifesciences](http://www.corning.com/lifesciences)



Quality Assurance

August 15, 2018  
Date

Discovery Labware, Inc., Two Oak Park, Bedford, MA 01730, Tel: 1.978.442.2200 (U.S.)  
CLSTechServ@Corning.com www.corning.com/lifesciences

CORNING

**For Research Use Only. Not for use in diagnostic or therapeutic procedures.**

For a listing of trademarks, visit [www.corning.com/lifesciences/trademarks](http://www.corning.com/lifesciences/trademarks)  
© 2013 Corning Incorporated