

## FAQ

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Q. Is it possible to use Neosilk®-Human Type Collagen I as a cell culture scaffold?



IBL

A. It can be used as the coating material for cell culture dishes. Because it does not contain any animal-derived ingredients, it can be used for xeno-free cultures. However, Neosilk®-Human Type Collagen I does not have triple-helical structure, and for this reason there are times the adhesive ratio is low for certain cell types. In addition, it does not form a collagen gel, so it cannot be used for collagen gel cultures.

Q. Are proteins produced from transgenic silkworms subject to the Cartagena protocol?



IBL

A. No they are not. Because the transgenic silkworm-based protein production system does not use viruses, the host organisms subject to the Cartagena protocol are the silkworms. The proteins extracted from the cocoons do not contain the host organism (transgenic silkworm), so they are not subject to the Cartagena protocol.

Q. Does Neosilk®-Human Type Collagen I have a triple-helical structure?



IBL

A. No, it consists of a single  $\alpha 1(I)$  chain.

Q. What is the purity level of Neosilk®-Human Type Collagen I?



IBL

A. A near-single band is displayed through electrophoresis.

Q. Does Neosilk®-Human Type Collagen I come with an expiration date?



IBL

A. Shelf life is 5 years if it's unopened in a refrigerator.