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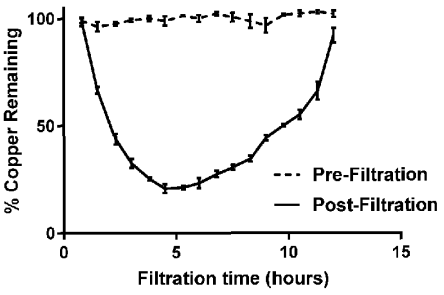


Figure 1

(57) Abstract: Provided herein are methods of preventing loss of copper in a solution. The solution is a cell culture medium, cell culture feed or cell culture additive comprising copper(II) and cysteine. The method comprises having substantially the same amount of soluble copper before and after filtering the solution. Also provided are methods of preparing a cell culture medium, cell culture feed or cell culture additive comprising copper (II), cysteine, and other components, without loss of soluble copper. Also provided are methods of culturing a cell or making a biological product comprising use of media prepared according to said methods of preventing loss of copper or preparing said media. Further provided is media prepared according to said methods and use of such media.

WO 2021/211493 A1