



Product Specification Sheet

Product Name	hES Cell Cloning & Recovery Supplement
Description	The hES Cell Cloning & Recovery Supplement is a 1000X concentrate supplement that contains Thiazovivin at a 2mM concentration. The hES Cell Cloning & Recovery Supplement can be used in several areas of cell culture to enhance productivity and efficiency. The addition of the hES Cell Cloning & Recovery Supplement to cell culture media significantly improves the likelihood of successful sub-cloning from single cells ^{1,2} . This supplement was validated at a working concentration of 2 μ M, however optimal conditions can vary and should be determined by the user. When added during a thaw, this supplement boosts recovery and thawing efficiency. The use of the hES Cell Cloning & Recovery Supplement also increases attachment after passaging. The hES Cell Cloning & Recovery Supplement is a valuable tool for escalating efficiency when working with human embryonic stem (hES) and human induced pluripotent stem (hiPS) cells under stressful conditions.
Catalog Number	01-0014-500
Size	5 x 100 μ l
Storage and Stability	Store at 4°C. This product is stable for a minimum of 3 months when stored as directed.
Quality Control	hES cells were trypsinized and plated with or without the hES Cell Cloning & Recovery Supplement. hES cells cultured with the hES Cell Cloning & Recovery Supplement were shown to have more AP positive colonies than cells cultured without the supplement.
References	<ol style="list-style-type: none">1. Lin, T., Ambasadhan, R., Yuan, X., Li, W., Hilcove, S., Abujarour, R., Lin, X., Hahm, H.S., Hao, E., Hayek, A., and Ding, S. (2009) A chemical platform for improved induction of human iPSCs. <i>Nat Methods</i> 6: 805-808.2. Xu, Y., Zhu, X., Hahm, H.S., Wei, W., Hao, E., Hayek, A., and Ding, S. (2010) Revealing a core signaling regulatory mechanism for pluripotent stem cell survival and self-renewal by small molecules. <i>Proc Natl Acad Sci USA</i> 107: 8129-8134.

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