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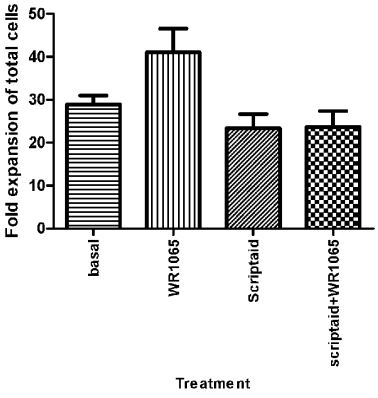
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(54) **Title:** STEM CELL THERAPY

Figure 1




(57) **Abstract:** A composition comprising an expanded population of cells is useful in therapy, wherein the cells have been expanded by the method comprising; i) obtaining an isolated population of HSPC ii) culturing the isolated population of HSPC in the presence of a histone deacetylase inhibitor (HDAC inhibitor), to form a cultured population iii) adding an aminothiol compound having the formula $RNH(C_nH_{2n})NH(C_nH_{2n})SX$, wherein R is hydrogen, an aryl, an acyl, or an alkyl group containing from 1 to 7 carbon atoms, each n has a value of from 2 to 6 and X is H or $PO_3H_2$; or a pharmaceutically acceptable salt thereof, to the cultured population of HSPC to form expanded cells.