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(54) Title: COMPOSITIONS AND METHODS FOR CELL KILLING

(57) Abstract: The present invention presents a biocidal packaging for cosmetics and/or foodstuffs, comprises at least one insoluble proton sink or source (PSS). The packaging is provided useful for killing living target cells (LTCs), or otherwise disrupting vital intracellular processes and/or intercellular interactions of said LTC upon contact. The PSS comprises, inter alia, (i) proton source or sink providing a buffering capacity; and (ii) means providing proton conductivity and/or electrical potential. The PSS is effectively disrupting the pH homeostasis and/or electrical balance within the confined volume of the LTC and/or disrupting vital intercellular interactions of the LTCs while efficiently preserving the pH of said LTCs' environment. The present invention also discloses a method for killing living target cells (LTCs), or otherwise disrupting vital intracellular processes and/or intercellular interactions of said LTC being in a packaging, especially cosmetic or foodstuffs' packaging.



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