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(54) Title: PRODUCTION OF MULTIVALENT VIRUS LIKE PARTICLES

(57) Abstract: The present invention is directed to the production and in vitro assembly of recombinant viral capsid proteins into virus like particles. In particular, the present invention provides rapid, scalable, and cost efficient methods for the production of multivalent virus like particles utilizing separate populations of capsid fusion peptides containing differing antigenic peptide inserts that are combined in vitro to produce homogenous populations of multivalent virus like particles. The virus like particles produced according to the present invention can be utilized to induce an immunological response in human or animal.

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