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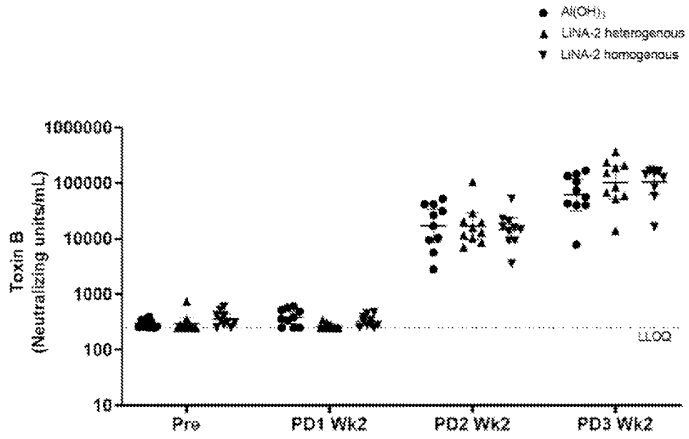
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(54) Title: METHODS FOR PRODUCING AN ADJUVANT

FIG. 1



(57) Abstract: This invention provides methods for producing homogeneous and heterogeneous adjuvant formulations comprising a liposome bilayer comprising (a) monophosphoryl lipid A (MPLA), (b) a saponin, and (c) a liposome composition comprising (i) at least one phospholipid selected from phosphatidylcholine (PC) and/or phosphatidylglycerol (PG), wherein thephospholipid is selected from the group consisting of dimyristoyl phosphatidylcholine (DMPC), dipalmitoyl phosphatidylcholine (DPPC), distearyl phosphatidylcholine (DSPC), dimyristoyl phosphatidylglycerol (DMPG), dipalmitoyl phosphatidylglycerol (DPPG), distearyl phosphatidylglycerol (DSPG), and a combination thereof, and (ii) cholesterol wherein the mole percent concentration of the cholesterol in the liposome composition is greater than 50% (mol/mol), and further provides the adjuvant formulations produced from said methods.

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