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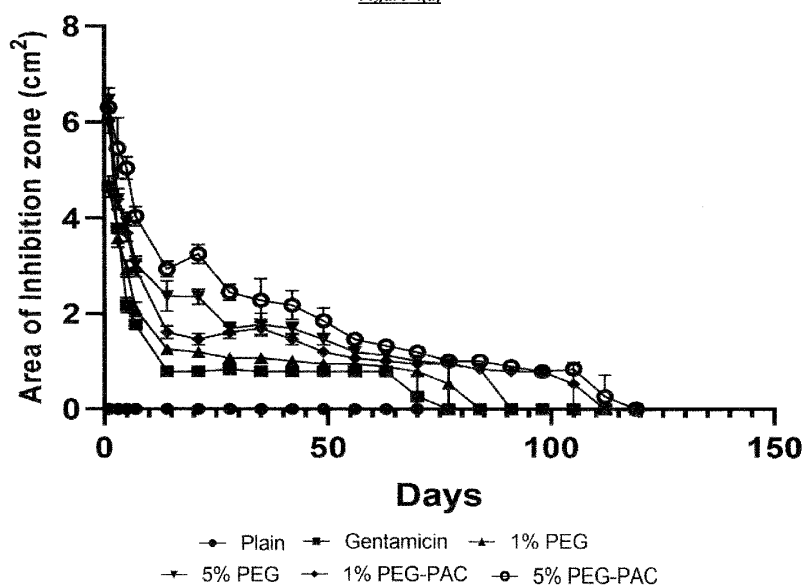
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(54) Title: A BONE CEMENT COMPOSITION

Figure 4(a)



(57) Abstract: There is provided a bone cement composition comprising: a powder component comprising at least one acrylic polymer; a liquid component comprising a monomer; an antibiotic; and an acid-functionalised polymer, wherein reaction of the powder component and the liquid component results in formation of a bone cement. In a preferred embodiment, the acid-functionalised polymer is selected from polyethylene glycol-polycarbonate (PEG-PAC), polycarbonate-poly(L-lactide) (PAC-PLLA), polycarbonate-poly(D-lactide) (PAC-PDLA), PAC-PLLA/PDLA, copolymers thereof or a combination thereof. There is also provided a bone cement formed from the bone cement composition.

[Continued on next page]

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