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(74) Agent: DEMERS, James, P.; Thelen Reid Brown Raysman & Steiner LLP, 900 Third Avenue, New York, NY 10022 (US).

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(71) Applicant (for all designated States except US): ALLEX-CEL, INC. [US/US]; 135 Wood Street, Suite 200, West Haven, CT 06516 (US).

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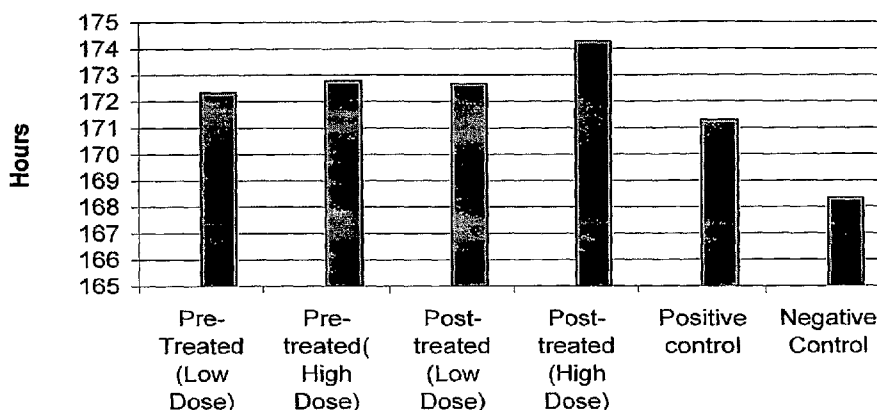
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(54) Title: SELF-ASSEMBLING AMPHIPHILIC POLYMERS AS ANTIVIRAL AGENTS

Survival post infection



(57) Abstract: There are provided amphiphilic biodegradable copolymers comprising a hydrophilic backbone with pendant aliphatic groups as the hydrophobic component. The polymers form nanoscale molecular aggregates in aqueous environments, which have hydrophobic interiors that are capable of solubilizing insoluble organic compounds and disrupting viral coat proteins. The polymers optionally feature reactive functional groups that provide attachment points for antibodies, ligands, and other targeting moieties which mediate adherence of the aggregate to a viral target.

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