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(54) Title: MERCERIZED DECELLULARIZED PARTICLES FOR SLOW RELEASE APPLICATIONS AND METHODS THEREOF

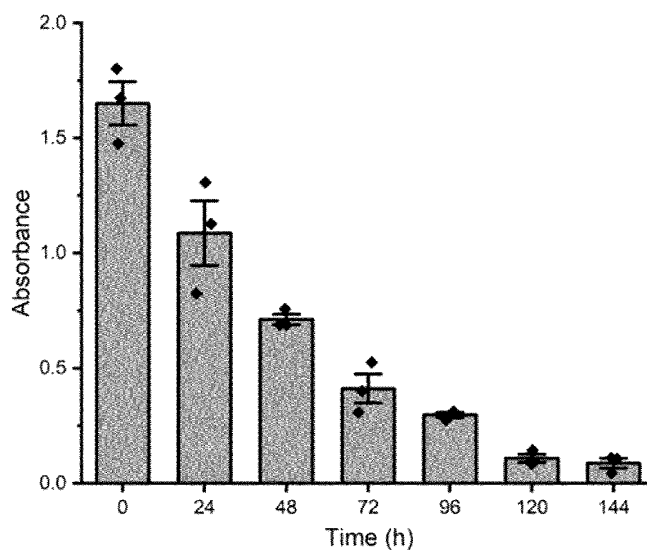


Figure 1

(57) Abstract: A method of providing a slow, controlled or sustained release of a compound of interest such as biomolecules or drugs is provided. The method involves incubating the compound of interest with mercerized decellularized cellulose particles for a predetermined amount of incubation time to allow the mercerized decellularized cellulose particles to absorb the compound of interest. Thereafter, the method involves adjusting a physical or chemical property of the decellularized particles to trigger, alter, enable or affect the slow, controlled or sustained release of the compound of interest. Mercerized decellularized particles and formulations for slow, controlled or sustained release of compounds of interest are also provided.

[Continued on next page]

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