

The question (Why mole ratio fixed as 0.01 mol??? Need an explanation). (Sections 2.3.2; 2.3.2 ; 2.3.4 & 2.3.5)

Response:

1-The molar ratio 0.01mole produce films with good transparency which is necessary for the analytical studies e. g. IR.

2- Fixing the mole ratio in all study will be more accurate when the data undergoes comparison with each others.

3- In case of preparation of metal salt solution it gives appropriate concentration for metal uptake study.

(What was % of functionalization???, at least roughly or anticipated % of functionalisation) (any studies carried out on these information may be included).

Response

The % of functionalization not studied. But from sulfur analysis the roughly percent is about 65% which agree with that reported in literature. The references were added to the list of references in the text.

[Gómez-Mascaraque LG, Méndez JA, Fernández-Gutiérrez M, Vázquez B, San Román J. Oxidized dextrans as alternative crosslinking agents for polysaccharides: application to hydrogels of agarose-chitosan. Acta Biomater. 2014;10\(2\): 798-811.](#)

[Hoffmann B, Seitz D, Mencke A, Kokott A, Ziegler G. Glutaraldehyde and oxidised dextran as crosslinker reagents for chitosan-based scaffolds for cartilage tissue engineering. J Mater Sci Mater Med. 2009;20\(7\):1495-503.](#)

Response to comment for Procedure of antimicrobial tests

It was corrected.

A solution or suspension of the tested modified polymers and polymer metal complexes prepared by dissolving 400 µg/mL (w/v) in sterile DMSO

The comment mentioned about tables (mention as ions in the table):

It was corrected