

## Supplementary Material

# Combining Polymer and Cyclodextrin Strategy for Drug Release of Sulfadiazine from Electrospun Fibers

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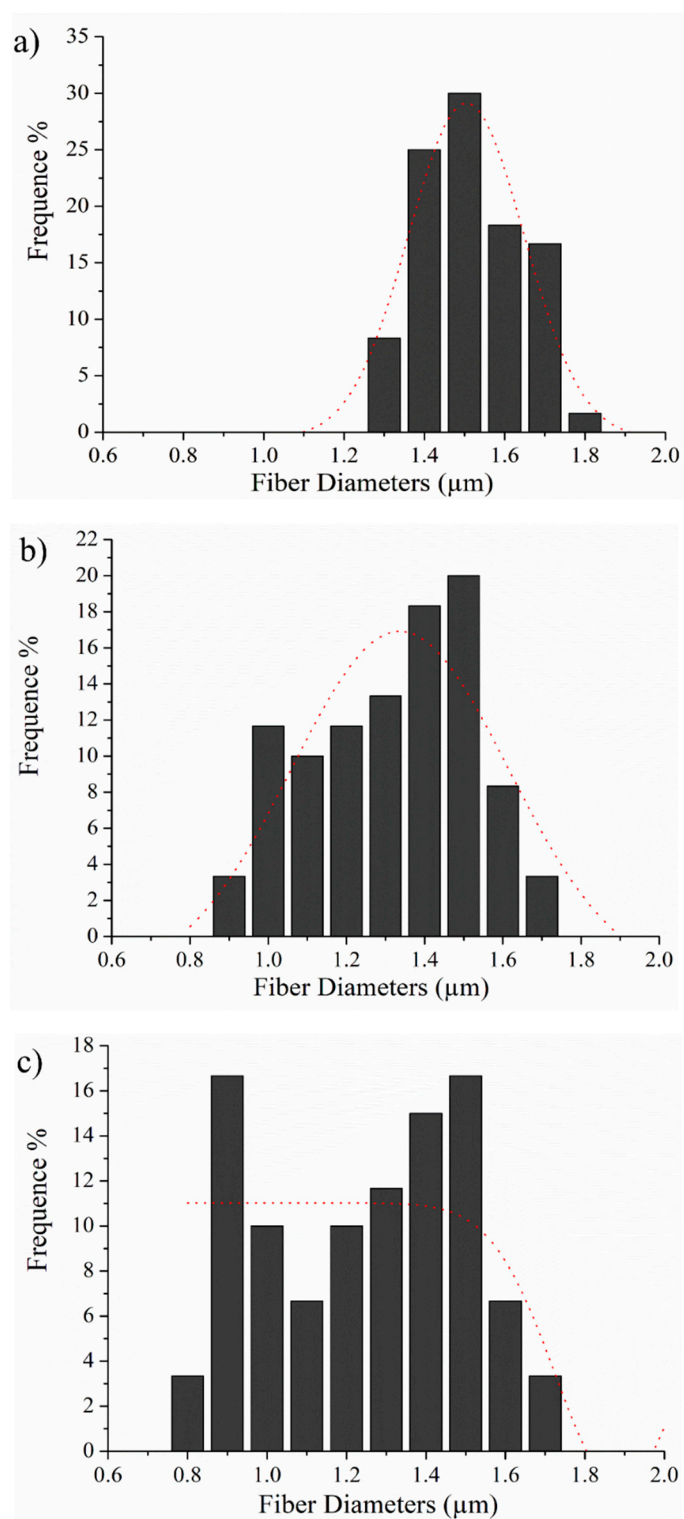
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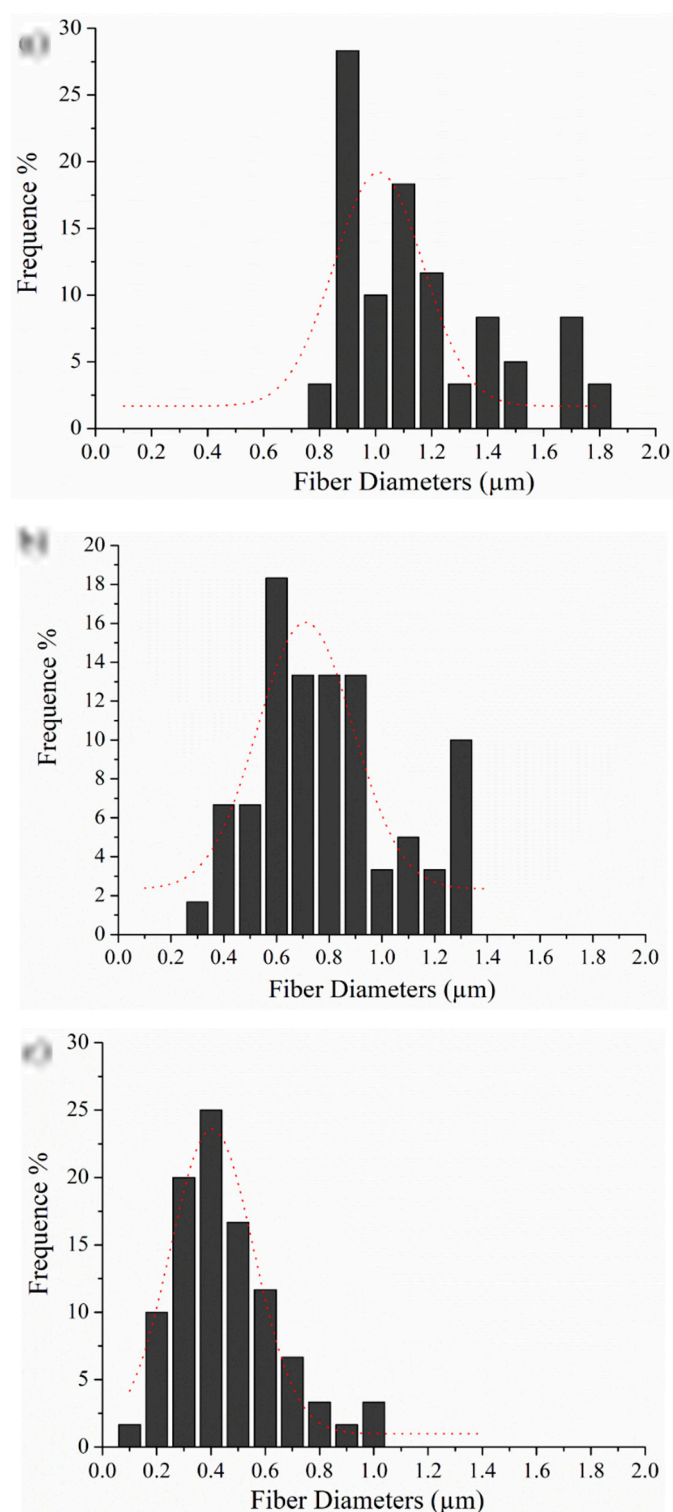
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## S1: Histograms



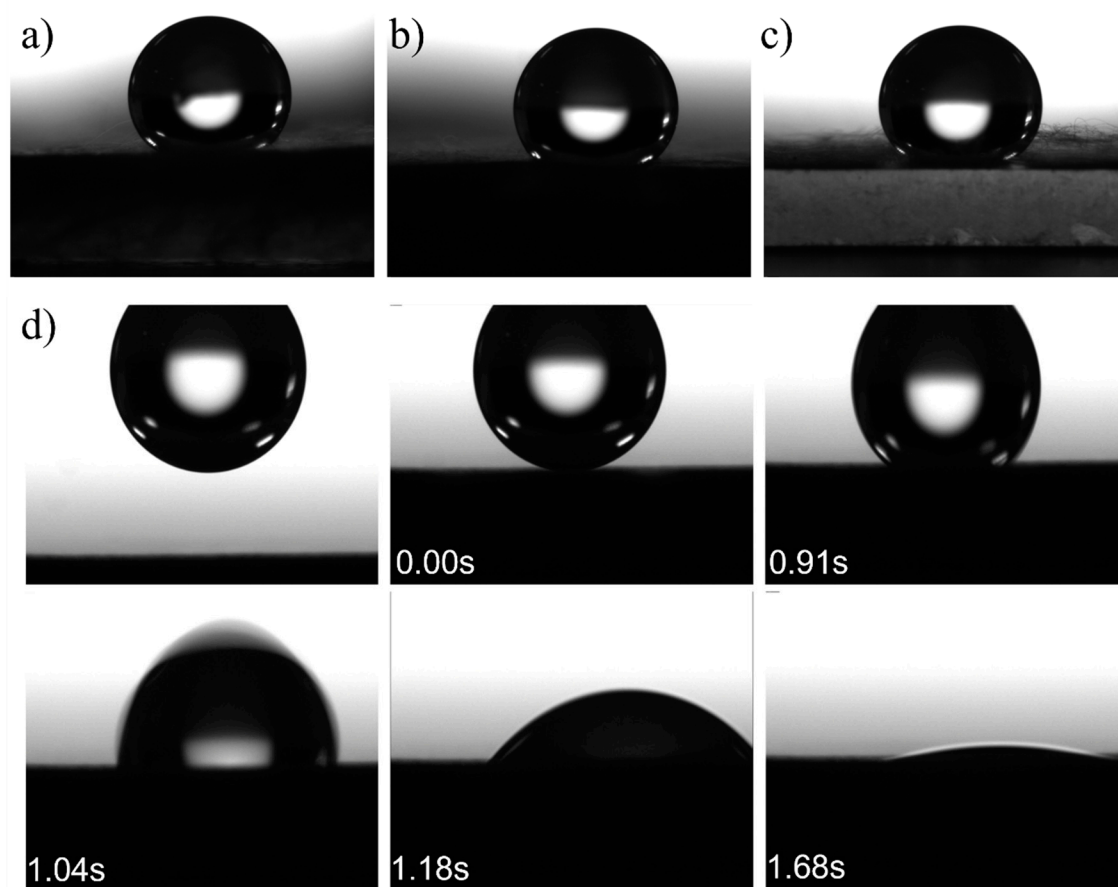
**Figure S1:** Histograms of fiber diameter distribution for: (a) PMMA, (b) PMMA SDS, and (c) PMMA SDS/HP $\beta$ CD.

## S2: Histograms



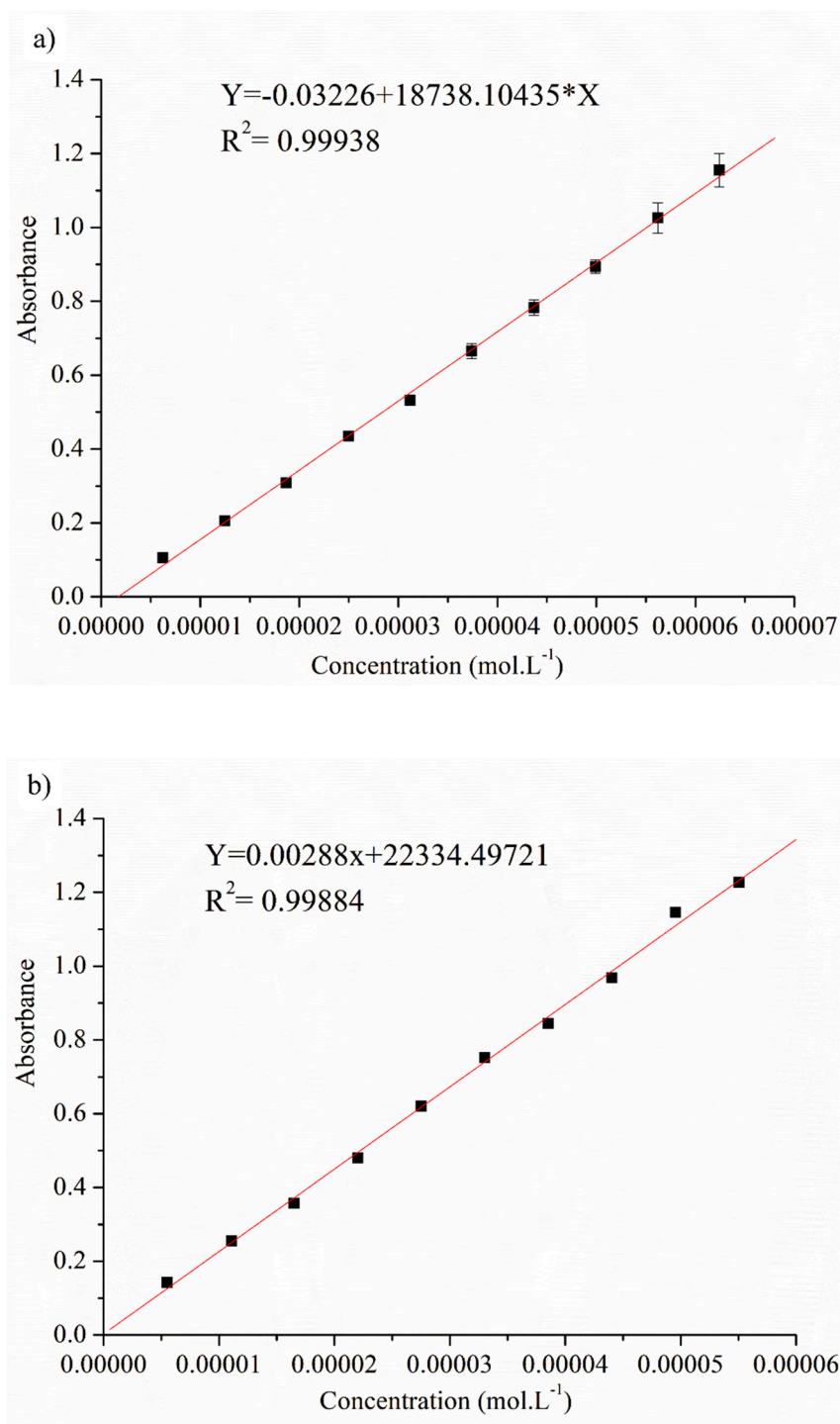
**Figure S2:** Histograms of fiber diameter distribution for: (a) PLGA, (b) PLGA SDS, and (c) PLGA SDS/HP $\beta$ CD.

S3: Contact angle



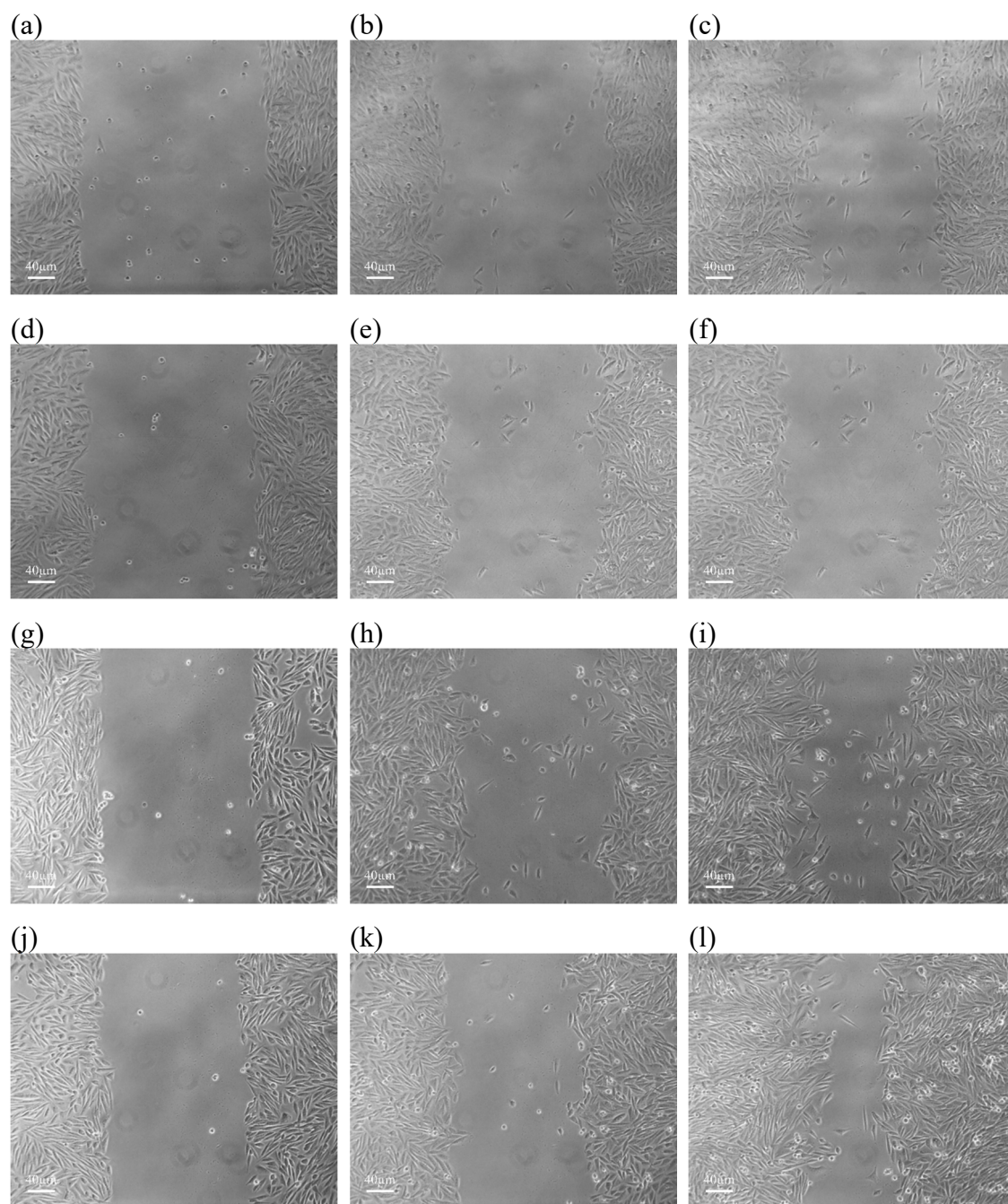
**Figure S3:** water contact angles images for the electrospun systems: (a) PMMA, (b) PMMA SDS, (c) PMMA SDS/HPβCD; (d) PLGA with the capture of video frames.

S4: calibration curve



**Figure S4:** Calibration curve for SDS drug: (a) without HPβCD and (b) with HPβCD.

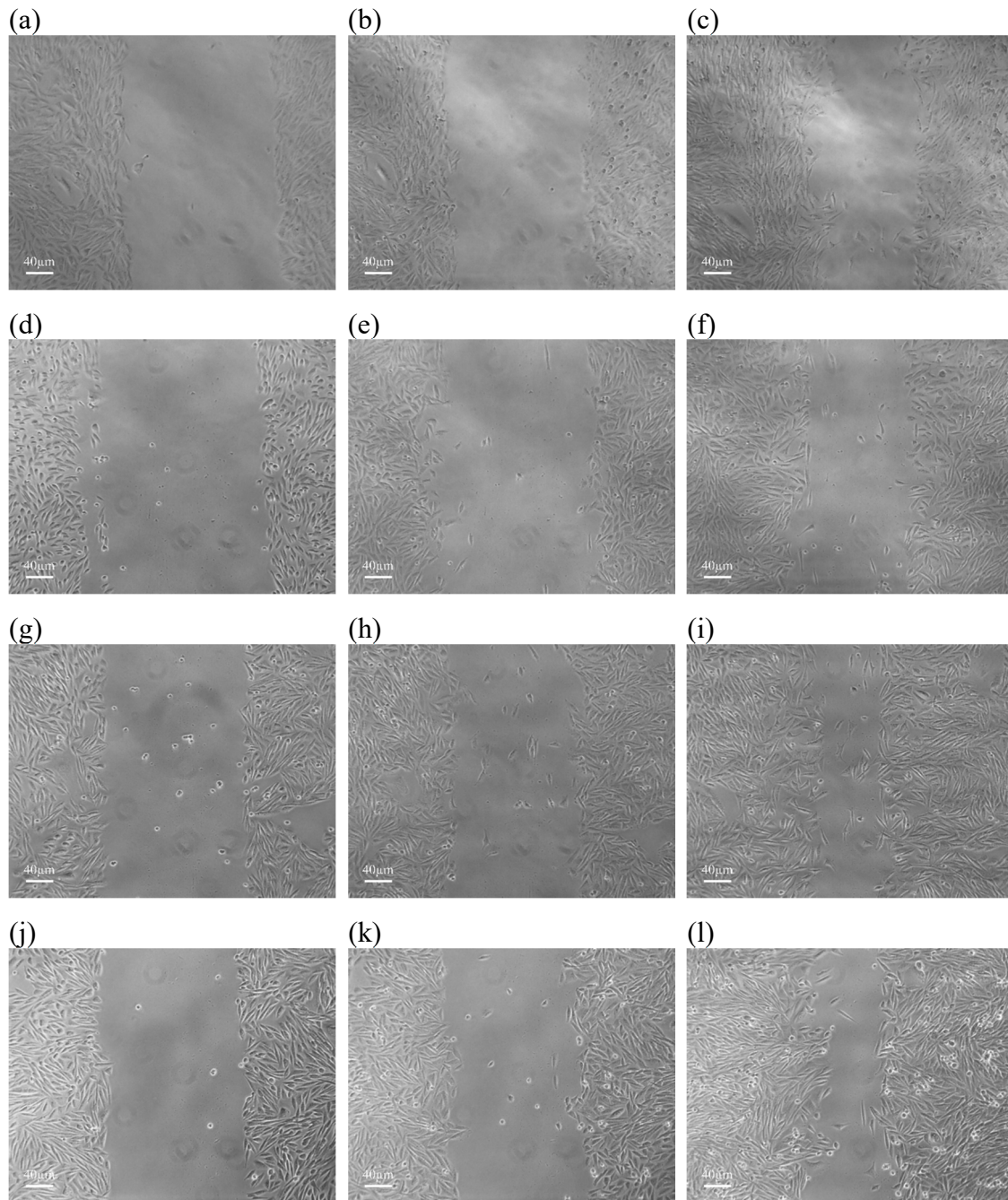
## S5: microscopies images



**Figure S5:** Microscopies images of a pseudo-wound created in a fibroblast cell L929 monolayer, at 0 hour (left column), at 10 hours (middle column), and at 24 hours (right column). The pseudo-wounds were treated with (a–c) PMMA, (d–f) PMMA SDS, (g–i) PMMA SDS/HPβCD, and (j–l) control group.



S6: microscopies images



**Figure S6:** Microscopies images of a pseudo-wound created in a fibroblast cell L929 monolayer, at 0 hour (left column), at 10 hours (middle column), and at 24 hours (right column). The pseudo-wounds were treated with (a–c) PLGA, (d–f) PLGA SDS, (g–i) PLGA SDS/HPβCD, and (j–l) control group.