To evaluate if treatment could affect vitality of the living porcine pericardium cells, histological sections (5μm thickness) were cut, dewaxed and stained with hematoxylin and eosin staining (Bio Optica). Images (n = 3) of treated and non- treated porcine pericardium were acquired using an AxioPlane optical microscope (Carl Zeiss) and analyzed with ImageJ software. In particular, RGB images were transformed first in 8-bit images and then converted into 2-bit images. Finally, number of cells were calculated with analyze particles plugin.