Data of continuous harvest of stem cells via partial detachment from thermoresponsive nanobrush surfaces

ABSTRACT

This data article contains two figures and one table supporting the research article entitled: ñContinuous harvest of stem cells via partial detachment from thermoresponsive nanobrush surfaceò [1]. The table shows coating conditions of three copolymers, poly(styrene-co-acrylic acid) grafted with oligovitronectin, poly(styrene-co-N-isopropylacrylamide) and poly(styrene-co-polyethylene glycol methacrylate) to prepare thermoresponsive surface. XPS spectra show the nitrogen peak of the polystyrene surface coated with poly(styrene-co-acrylic acid) grafted with oligovitronectin. The surface coating density analyzed from sorption of poly(styrene-co-acrylic acid) grafted with oligovitronectin by UVï vis spectroscopy is also presented.

Keyword: Thermoresponsive; Stem cell; Nanobrush; Cell culture; Embryonic stem cell; Biomaterial