

Supplementary Table and Figure

Table S1: Reproducibility and homogeneity of the prepared hydrogel samples (Dimensions and weights)

samples	n	Diameter (mm)	Thickness (mm)	Weight (g)
100PNVF	1	11.0	0.69	0.130
	2	11.0	0.70	0.132
	3	11.0	0.69	0.131
100PHEA	1	11.0	0.64	0.113
	2	11.0	0.64	0.114
	3	11.0	0.63	0.111
100PCEA	1	11.0	0.61	0.087
	2	11.0	0.62	0.092
	3	11.0	0.61	0.084
75PNVF25PHEA	1	11.0	0.68	0.132
	2	11.0	0.67	0.127
	3	11.0	0.67	0.124
50PNVF50PHEA	1	11.0	0.68	0.129
	2	11.0	0.68	0.129
	3	11.0	0.69	0.132
75PNVF25PCEA	1	11.0	0.62	0.101
	2	11.0	0.62	0.101
	3	11.0	0.62	0.102
50PNVF50PCEA	1	11.0	0.64	0.115
	2	11.0	0.64	0.115
	3	11.0	0.65	0.107

Figure S1: Standard calibration curve of dye solution

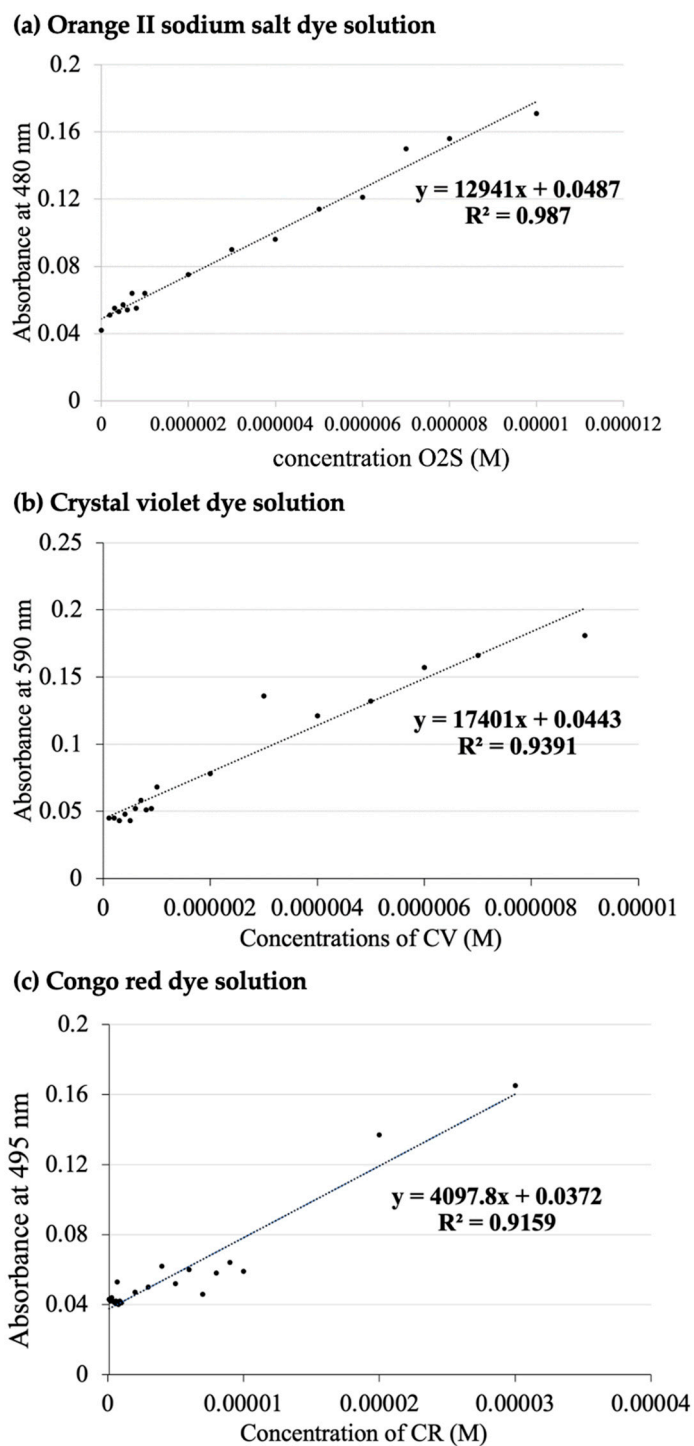


Figure S1. Standard calibration curve of (a) orange II sodium salt, (b) crystal violet and (c) congo red dye solution at pH 7 in depended on the absorbance measurement.