

Table S1. Calculation of Potentiative Effect.

<i>Day 5</i>						
	Untreated	TGF $\beta$ 5 ng/ml	Subs P 100 nM	TGF $\beta$ + Subs P Together	TGF $\beta$ + Subs P Separate	Potentiative Value
RDF1	0	0.0715	0.002	0.1185	0.0735	0.045
RDF2	0	0.09	0.019	0.2465	0.109	0.1375
RDF3	0	0.123	0.063	0.1175	0.186	-0.0685
RDF4	0	0.0485	-0.017	0.086	0.0315	0.0545
<i>Day 12</i>						
	Untreated	TGF $\beta$ 5 ng/ml	Subs P 100 nM	TGF $\beta$ + Subs P Together	TGF $\beta$ + Subs P Separate	Potentiative Value
RDF1	0	0.069	0.0005	0.1135	0.0695	0.044
RDF2	0	0.0105	-0.048	0.058	-0.0375	0.0955
RDF3	0	0.0605	-0.0065	0.0975	0.054	0.0435
RDF4	0	0.077	0.012	0.1195	0.089	0.0305

The potentiative effect was calculated for each of four RDF cultures by firstly subtracting the mean untreated collagen matrix per cell values from each of the values obtained for each of the RDF treatments to ascertain the effect of the treatments compared to the untreated cells. The average for duplicate wells of 48 well plates for each treatment was then calculated and is shown. The total of the TGF $\beta$  and the substance P values were totaled and values for the four cultures is shown. Finally the potentiative value was calculated by subtracting this value from the value obtained for the TGF $\beta$  and substance P combination treatment. The results from day 5 and day 12 are shown.