*Supplementary Materials*

# Conjugates of Chitosan and Calcium Alginate with Oligoproline and Oligohydroxyproline Derivatives for Potential Use in Regenerative Medicine

| Model pep, 1 | 10 μm | 100 μm | 0.5 mM | 1 mM | 10 mM | $K^-$ | $K^+$ |
|---|---|---|---|---|---|---|---|
| 10 μm | - | ns | ns | ns | ns | ns | * |
| 100 μm | | - | * | * | * | ns | * |
| 0.5 mM | | | - | ns | ns | ns | * |
| 1 mM | | | | - | ns | * | * |
| 10 mM | | | | | - | * | * |
| K- | | | | | | - | * |
| K+ | | | | | | | - |

| (Pro)$_9$, 3 | 10 μm | 100 μm | 0.5 mM | 1 mM | 10 mM | $K^-$ | $K^+$ |
|---|---|---|---|---|---|---|---|
| 10 μm | - | ns | ns | ns | ns | ns | * |
| 100 μm | | - | ns | ns | ns | ns | * |
| 0.5 mM | | | - | ns | ns | ns | * |
| 1 mM | | | | - | ns | ns | * |
| 10 mM | | | | | - | ns | * |
| K- | | | | | | - | * |
| K+ | | | | | | | - |

| (Pro)$_6$, 2 | 10 μm | 100 μm | 0.5 mM | 1 mM | 10 mM | $K^-$ | $K^+$ |
|---|---|---|---|---|---|---|---|
| 10 μm | - | ns | ns | ns | ns | ns | * |
| 100 μm | | - | ns | ns | ns | ns | * |
| 0.5 mM | | | - | ns | ns | ns | * |
| 1 mM | | | | - | ns | ns | * |
| 10 mM | | | | | - | ns | * |
| K- | | | | | | - | * |
| K+ | | | | | | | - |

| (Hyp)$_9$, 5 | 10 μm | 100 μm | 0.5 mM | 1 mM | 10 mM | $K^-$ | $K^+$ |
|---|---|---|---|---|---|---|---|
| 10 μm | - | ns | ns | ns | ns | ns | * |
| 100 μm | | - | ns | ns | ns | ns | * |
| 0.5 mM | | | - | ns | ns | ns | * |
| 1 mM | | | | - | ns | ns | * |
| 10 mM | | | | | - | ns | * |
| K- | | | | | | - | * |
| K+ | | | | | | | - |

**Figure S1.** Results of MTT test of the endothelial cell line EA.h 926 cultured in the presence of peptides **1–5** (1 day of incubation) – Statistical analysis. Statistical significance was assessed using one-way

ANOVA analysis of variance. Values for which the value **p < 0.001, ** p < 0.01, *p < 0.05 were considered statistically significant.