

Supplementary Information

Dextran-based injectable hydrogel composites for bone regeneration

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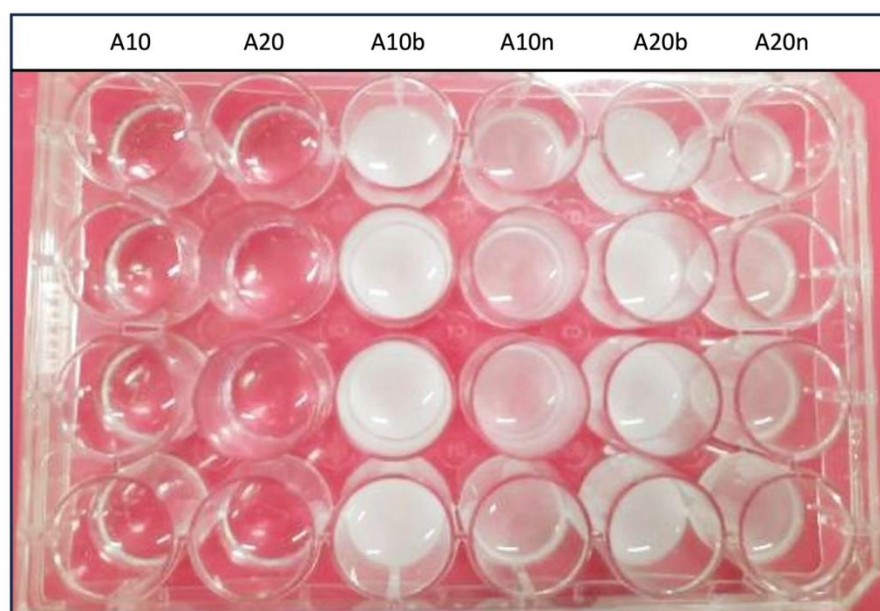


Figure S1. Image of the obtained hydrogels with different compositions.

Table S1. Statistical analysis of the swelling results. * $p < 0.1$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, n.s. = non significant.

Multiple group comparisons	Statistical analysis
A10 - pH 7,4 vs A10 - pH 5	****
A10 - pH 7.4 vs A10 - pH 9	***
A10 - pH 7.4 vs A10 - pH 2	****
A10 - pH 5 vs A10 - pH 9	****
A10 - pH 5 vs A10 - pH 2	**
A10 - pH 9 vs A10 - pH 2	****
A20 - pH 7,4 vs A20 - pH 5	**
A20 - pH 7.4 vs A20 - pH 9	n.s.
A20 - pH 7.4 vs A20 - pH 2	**
A20 - pH 5 vs A20 - pH 9	n.s.
A20 - pH 5 vs A20 - pH 2	n.s.
A20 - pH 9 vs A20 - pH 2	n.s.
A10b - pH 7,4 vs A10b - pH 5	****
A10b - pH 7.4 vs A10b - pH 9	****
A10b - pH 7.4 vs A10b - pH 2	****
A10b - pH 5 vs A10b - pH 9	n.s.
A10b - pH 5 vs A10b - pH 2	n.s.
A10b - pH 9 vs A10b - pH 2	***
A10n - pH 7,4 vs A10n - pH 5	*
A10n - pH 7.4 vs A10n - pH 9	**
A10n - pH 7.4 vs A10n - pH 2	****
A10n - pH 5 vs A10n - pH 9	n.s.
A10n - pH 5 vs A10n - pH 2	***
A10n - pH 9 vs A10n - pH 2	**
A20b - pH 7,4 vs A20b - pH 5	n.s.
A20b - pH 7.4 vs A20b - pH 9	n.s.
A20b - pH 7.4 vs A20b - pH 2	n.s.
A20b - pH 5 vs A20b - pH 9	n.s.
A20b - pH 5 vs A20b - pH 2	n.s.
A20b - pH 9 vs A20b - pH 2	n.s.
A20n - pH 7,4 vs A20n - pH 5	****
A20n - pH 7.4 vs A20n - pH 9	****
A20n - pH 7.4 vs A20n - pH 2	****
A20n - pH 5 vs A20n - pH 9	n.s.
A20n - pH 5 vs A20n - pH 2	n.s.
A20n - pH 9 vs A20n - pH 2	n.s.

Table S2. Statistical analysis of the swelling results at pH 7.4. *p< 0.1, **p< 0.01, ***p< 0.001, ****p< 0.0001, n.s. = non significant.

Multiple group comparisons	Statistical analysis
A10_ pH 7.4 vs. A20_ pH 7,4	*
A10_ pH 7.4 vs. A10b_ pH 7,4	**
A10_ pH 7.4 vs. A10n_ pH 7,4	ns
A20_ pH 7,4 vs. A20b_ pH 7,4	ns
A20_ pH 7,4 vs. A20n_ pH 7,4	ns
A10b_ pH 7,4 vs. A20b_ pH 7,4	****
A10n_ pH 7,4 vs. A20n_ pH 7,4	ns
A10b_ pH 7,4 vs. A10n_ pH 7,4	**
A20b_ pH 7,4 vs. A20n_ pH 7,4	**