Supplementary Material

A Comprehensive Comparison of Bovine and Porcine Decellularized Pericardia: New Insights for Surgical Applications

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Table 1 Quantification of ECM Components, Water and DNA Contents in Native and Decellularized Pericardia

| Component       | NBPs     | DBPs     | p       | NPPs     | DPPs     | p       |
|-----------------|----------|----------|---------|----------|----------|---------|
| HYP (µg mg⁻¹)   | 106.60 ± 3.11 | 113.26 ± 1.96 | 0.0063  | 114.48 ± 11.18 | 121.30 ± 11.38 | 0.3667  |
| Denatured HYP   | 12.06 ± 6.74  | 16.66 ± 8.18 | 0.9949  | 5.85 ± 1.50  | 4.93 ± 1.14  | 0.5435  |
| sGAGs (µg mg⁻¹) | 12.59 ± 4.10  | 5.75 ± 1.01  | 0.0085  | 8.15 ± 2.49  | 6.15 ± 1.01  | 0.1145  |
| Elastin (µg mg⁻¹) | 44.95 ± 11.12 | 48.88 ± 18.36 | 0.6634  | 49.55 ± 6.58 | 46.42 ± 11.78 | 0.5828  |
| Water (%)       | 81.01 ± 0.87  | 83.00 ± 0.00  | < 0.0001 | 78.36 ± 2.67 | 75.26 ± 0.95 | 0.0031  |
| DNA (µg mg⁻¹)   | 1446 ± 699.8  | 66.05 ± 72.79 | 0.0046  | 1774 ± 385.8 | 56.47 ± 40.11 | 0.0001  |

Legend: NBP: native bovine pericardium; DBP: decellularized bovine pericardium; NPP: native porcine pericardium; DPP: decellularized porcine pericardium; HYP: hydroxyproline; sGAGs: sulfated glycosaminoglycans.