

TABLE E1 Descriptive statistics for geometric, biomechanical, biochemical, and cellular properties of commercial extracellular matrices

Variable and Material	Median (Range)	Mean* (Std dev)
Thickness (mm)		
GraftJacket, <i>n</i> = 10	1.60 (1.24, 1.77)	1.58 (0.15) ^{a,b,c}
TissueMend, <i>n</i> = 6	1.03 (0.78, 1.34)	1.04 (0.19) ^{a,d,e}
Restore, <i>n</i> = 10	0.54 (0.42, 0.66)	0.54 (0.09) ^{b,d}
CuffPatch, <i>n</i> = 6	0.40 (0.34, 0.44)	0.40 (0.04) ^{c,e}
Linear Stiffness^{1,2} (N/mm)		
GraftJacket, <i>n</i> = 10	16.3 (8.3, 23.7)	16.4 (5.9) ^{a,b,c}
TissueMend, <i>n</i> = 6	7.1 (5.5, 9.5)	7.4 (1.4) ^a
Restore, <i>n</i> = 10	7.4 (4.5, 9.0)	7.0 (1.5) ^b
CuffPatch, <i>n</i> = 6	6.7 (3.8, 10.2)	6.8 (2.3) ^c
8% Modulus² (MPa)		
GraftJacket, <i>n</i> = 10	0.2 (0.1, 0.8)	0.3 (0.2) ^{a,b}
TissueMend, <i>n</i> = 6	3.8 (0.8, 7.4)	3.9 (2.6) ^{c,d}
Restore, <i>n</i> = 10	14.2 (9.1, 19.9)	14.1 (3.6) ^{a,c}
CuffPatch, <i>n</i> = 6	16.8 (13.7, 20.6)	17.0 (2.8) ^{b,d}
Linear Modulus² (MPa)		
GraftJacket, <i>n</i> = 10	22.0 (13.1, 31.3)	22.5 (5.3) ^{a,b}
TissueMend, <i>n</i> = 6	14.4 (12.2, 21.4)	15.2 (3.5) ^{c,d}
Restore, <i>n</i> = 10	35.6 (17.1, 50.6)	35.5 (9.1) ^{a,c}
CuffPatch, <i>n</i> = 6	39.7 (22.1, 60.0)	40.1 (15) ^{b,d}
Hydroxyproline (mg/mg dry weight)		
GraftJacket, <i>n</i> = 10	0.072 (0.064, 0.097)	0.078 (0.013) ^{a,b,c}
TissueMend, <i>n</i> = 6	0.124 (0.111, 0.131)	0.122 (0.009) ^{a,d}
Restore, <i>n</i> = 10	0.103 (0.092, 0.113)	0.102 (0.008) ^{b,d}
CuffPatch, <i>n</i> = 6	0.116 (0.094, 0.129)	0.112 (0.015) ^c
CSDS GAG (μg/mg dry weight)		
GraftJacket, <i>n</i> = 10	0.27 (0.10, 0.52)	0.27 (0.15) ^{a,b}
TissueMend, <i>n</i> = 6	0.08 (0.05, 0.10)	0.08 (0.02) ^c
Restore, <i>n</i> = 10	0.98 (0.58, 1.29)	0.96 (0.22) ^{a,c,d}
CuffPatch, <i>n</i> = 6	0.05 (0.04, 0.07)	0.05 (0.01) ^{b,d}
Hyaluronan (μg/mg dry weight)		
GraftJacket, <i>n</i> = 10	0.42 (0.24, 0.51)	0.40 (0.08) ^{a,b,c}
TissueMend, <i>n</i> = 6	0.05 (0.04, 0.09)	0.06 (0.02) ^{a,d}
Restore, <i>n</i> = 10	0.81 (0.41, 1.06)	0.78 (0.22) ^{b,d,e}
CuffPatch, <i>n</i> = 6	0.05 (0.03, 0.07)	0.05 (0.01) ^{c,e}
DNA (ng/mg dry weight)		
GraftJacket, <i>n</i> = 10	143.7 (48.0, 173.3)	134.6 (44.0) ^{a,b,c}
TissueMend, <i>n</i> = 6	798.9 (666.2, 904.2)	794.6 (97.8) ^{a,d,e}
Restore, <i>n</i> = 10	492.4 (36.5, 727.5)	526.8 (125.6) ^{b,d,f}
CuffPatch, <i>n</i> = 6	0.5 (0.0, 1.4)	0.6 (0.6) ^{c,e,f}

*For each variable, like letters indicate significant differences (*p* < 0.05).

¹ Determined from 12-mm-wide by 30-mm-long (after gripping) test strips.

² All mechanical properties were determined with use of grip-to-grip strain.