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**Appendix 4.** Measured and calculated mechanical parameters for fresh and rehydrated (rehydr.) intervessel pit membranes of Clematis vitalba: Effective stiffness modulus Eeffective, apparent elastic moduls Eapparent, aspiration pressure Pb. Green colour: normal distributed values. Red colour: not normal distributed. -: sample size too small for normal distribution test. SD: Standard deviation. SD was used for normal distributed data. For not normal distributed data, the range (min and max) was given.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Age** | **Treatment** | **Effective stiffness modulus *E*effective** $\pm $**SD or range in N/m3** | **Apparent elastic modulus *E*** $\pm $**SD or range in MPa** | ***P*b in MPa** | **Sample size *n*** |
| **Value** | **Pshapiro-wilk** | **Value** | **Pshapiro-wilk** | **Value** | **Pshapiro-wilk** |  |
| 0 | Fresh | 0.34$\pm $0.18 | 0.1375 | 57$\pm $32 | 0.417 | 2.20$\pm $1.28 | 0.7937 | 23 |
| 0 | Rehydr. | 0.46 $\pm $0.08 | - | 279$\pm $64 | - | 0.28$\pm $0.38 | - | 2 |
| 1 | Fresh | 0.44$\pm $0.24 | 0.4451 | 84 (3-278) | 0.01891 | 1.46$\pm $1.15 | 0.1021 | 18 |
| 1 | Rehydr. | 0.63$\pm 0.$31 | - | 440$\pm $200 | - | 3.37$\pm $0.17 | - | 2 |
| 4 | Fresh | 0.35$\pm $0.33 | 0.4567 | 190$\pm $165 | 0.3272 | 0.23$\pm $0.24 | 0.4109 | 4 |
| 4 | Rehydr. | 0.70$ (0.$28-0.73) | 0.0232 | 330$\pm $130 | 0.4622 | 0.41$\pm $0.16 | 0.1641 | 4 |