

ULMUS

Vessels variable in size, in wavy, ulmiform, tangential bands. Ring-porous. Spiral thickening present. Perforations simple. Intervascular pitting typically alternate - usually medium-sized to moderately large, pitting to ray and wood parenchyma may rarely include large, elongated and often simple pits. Mean member length 0.2-0.55 mm.

Parenchyma varying in abundance and type but usually essentially paratracheal, limited to area round the ulmiform or tangential bands of vessels, terminal bands sometimes present.

Rays usually up to 3-5 cells wide, but may be up to 6-12. Uniseriates typically few and low. Rays typically less than 1 mm. high. Most commonly homogeneous.

Fibres typically with small simple pits, rather few and mostly on the radial walls. Walls usually of medium thickness. Mean length 1.0-1.3 mm.

Ulmus sp.

Ring-porous. Pores in latewood in clusters; in wavy, diagonal bands (ulmiform arrangement); earlywood pores in rows of 2 to 4; latewood pores very small, maximum tangential diameter 35 μ ; earlywood pores medium to large, maximum tangential diameter 200 μ . Vessels with simple perforations; pits alternate, medium sized; spiral thickenings in latewood vessels; tyloses sparingly developed. Wood parenchyma paratracheal, irregular. Rays homogeneous; up to 5 cells wide; up to 70 cells high; ray-vessel pitting medium short oval in outline. Fibres with simple pits; cell walls thick. Gum-like deposits in heartwood rays and wood parenchyma. (Ilanoth Specimen No. 62)