

CISTUS

Vessels extremely to very small; exclusively solitary or in occasional pairs; very numerous e.g. with more than 100 per sq. mm in *Cistus*; semi-ring-porous and with spiral thickening in some spp. of *Cistus* e.g. *C. laurifolius* Linn. Perforations simple and oblique. Intervascular pitting alternate and very small; pits to ray cells similar. Solid deposits sometimes abundant in *Cistus*. Mean member length 0.2-0.3 mm.

Parenchyma rare, but metatracheal parenchyma present in *Cistus*, according to Janchen. According to Vestal, parenchyma is absent, and suggests that the low uniseriate rays in some spp. might easily be mistaken for wood parenchyma.

Rays, according to Vestal, always present, 1-3 cells wide in *Cistus*; very low, usually less than 1.5 mm high. Uniseriates often of only 1-3 cells and composed of mixed procumbent and upright cells; rays very numerous, e.g. 15-25 per mm in *Cistus*. Heterogeneous (Kribs's Types IIB and III).

Fibres with small bordered pits on both radial and tangential walls. Walls thin to thick. Mean length about 0.4 mm in *Cistus*.