

EUONYMUS

Vessels typically very small (less than 50 μ mean tangential diameter), radial multiples of 2-3 cells common; typically numerous. Spiral thickening sometimes present. Perforations plates simple. Intervascular pitting alternate, not very small. Pits to parenchyma and ray cells similar to intervacular pitting. Fibriform vessel members reported. Mean member length 0.6-1.0 mm.

Parenchyma typically apotracheal or absent. Parenchyma absent from, or very sparse, in *Euonymus*. Strands usually of up to 4 or 8 cells.

Rays exclusively or predominantly uniseriate; commonly about 1 mm. in height and slightly exceeding this in some of this family. More than 12 rays per mm. Homogeneous (Kribs's Type III) and with rounded cells (tang-section) and conspicuous intercellular spaces in the woods with exclusively uniseriate rays.

Fibres of most spp. with numerous, distinctly bordered pits on all walls, the borders often very large. With occasional septa. With spiral thickening, except in *E. javanicus*. Walls varying from thin to extremely thick in various genera.