

ALNUS

Vessels small (50-100 μ mean tangential diameter). Numerous multiples of up to 3 cells and some multiples of 4 or more. Often with loose oblique pattern (Inst. slide mainly radial). Usually about 37-75 per sq. mm. Perforation plates scalariform, about 20 or more. Plates occasionally reticulate, (but Inst. slide seems to have 12-15 plates sometimes). Intervascular pitting typically opposite and moderately large. Pits to ray and wood parenchyma similar to intervascular pitting. Mean member length 0.6-1.2 mm.

Parenchyma apotracheal, rather sparse, as cells scattered among the fibres and along ring boundaries; strands usually of 8 cells.

Rays Usually uniseriate or partially biseriate, commonly aggregated, except in specimens from high altitudes. 7-15 rays per mm. Homogeneous (Kribs's Types I and III).

Fibres with rather few pits, which tend to be more numerous on the radial than on the tangential walls, the pits with small but distinct borders. Walls of medium thickness. Mean length 1.1-1.8 mm.