

# The task for completing the educational and research work in botany

## **Option 5**

You are proposed two micro-preparations of axial organs of plants. You have already studied one of the objects in practical classes. The second object is unfamiliar to you.

You have to study the micro-preparations, sketch them, sign all the tissues. Describe the micro-preparative according to the plan in the manual.

The first micro-preparation you should name and explain your decision.

When study the second preparation you must determine which organ is in front of you: root, stem or rhizome; annual or perennial; herbaceous or woody; and also name the systematic group of plants to which the object belongs: gymnosperms, dicotyledons or monocotyledons.

Designations on microphotographs:

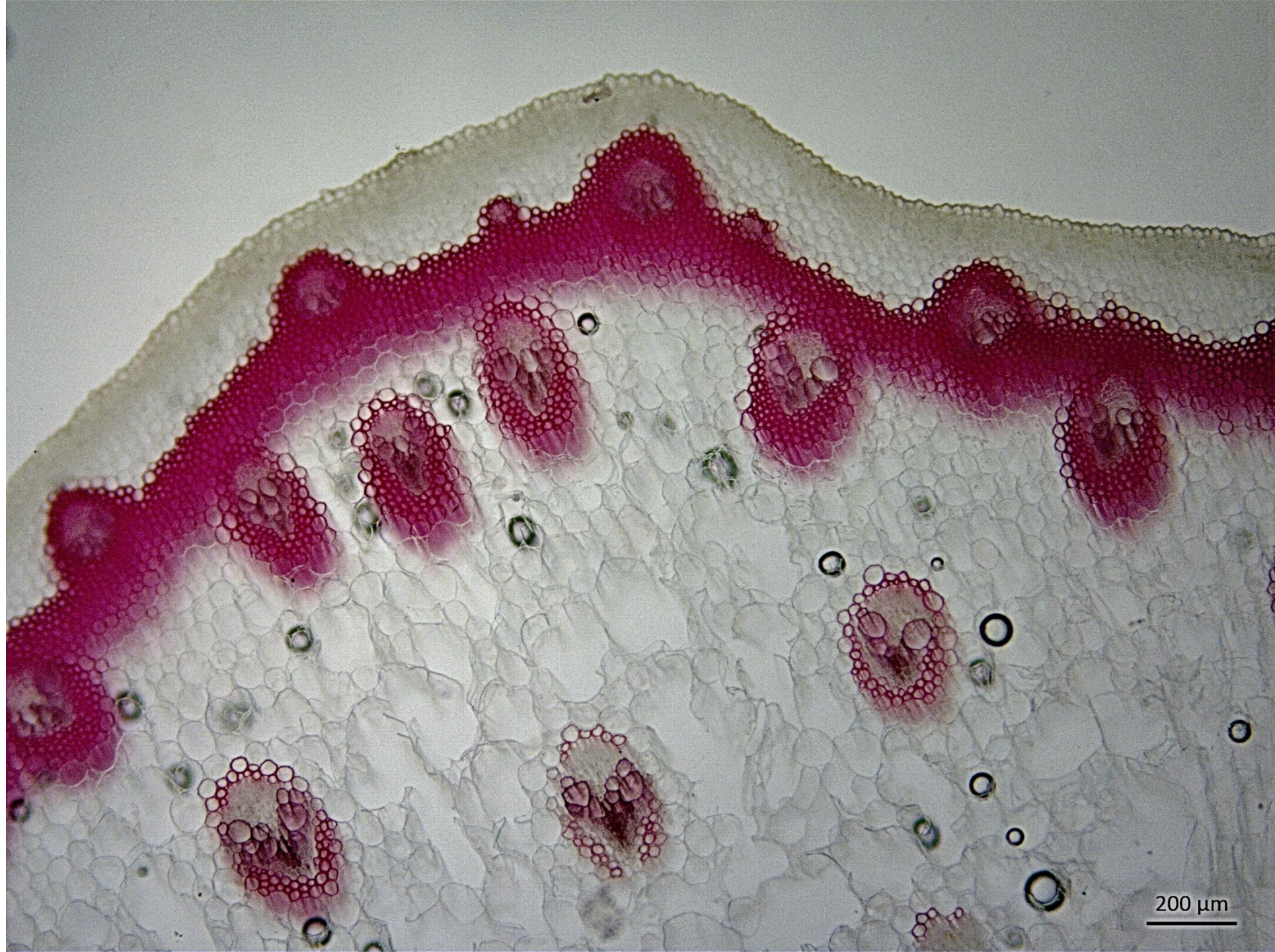
scale 200mkm - corresponds to an increase of 4x,

scale 100 microns - magnification - 10x,

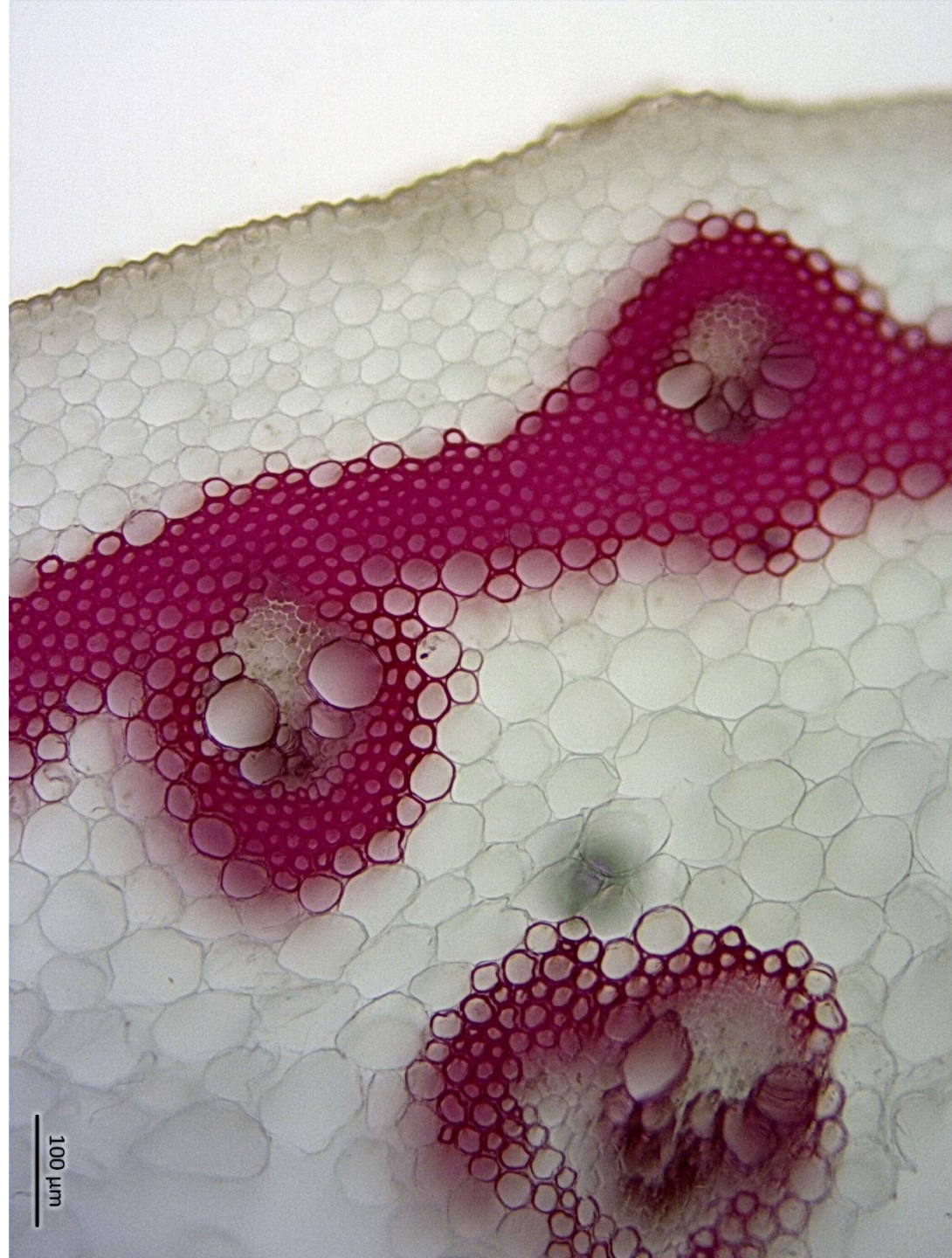
scale 20mkm - 40x magnification

# Micro-preparation **1**

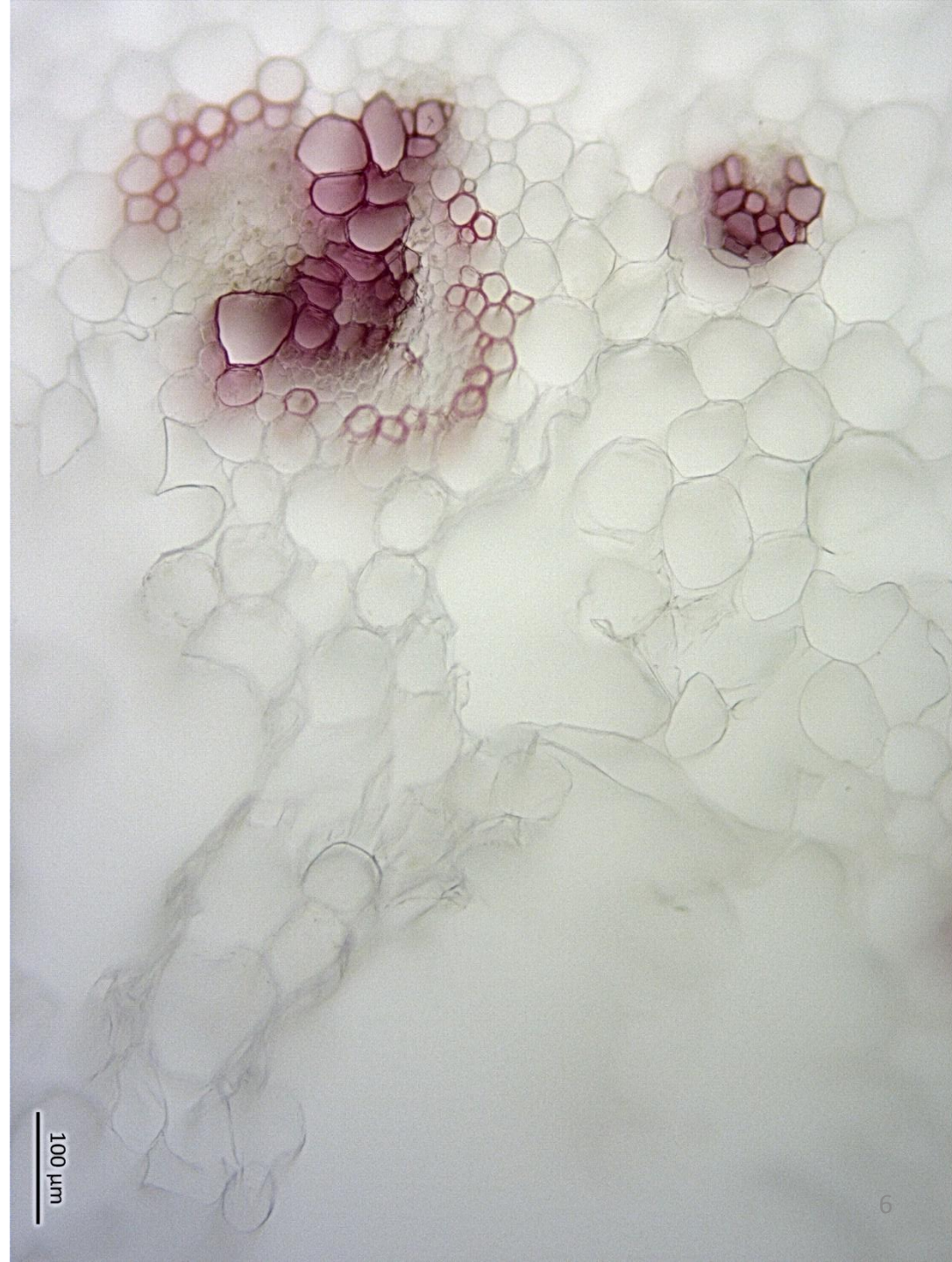
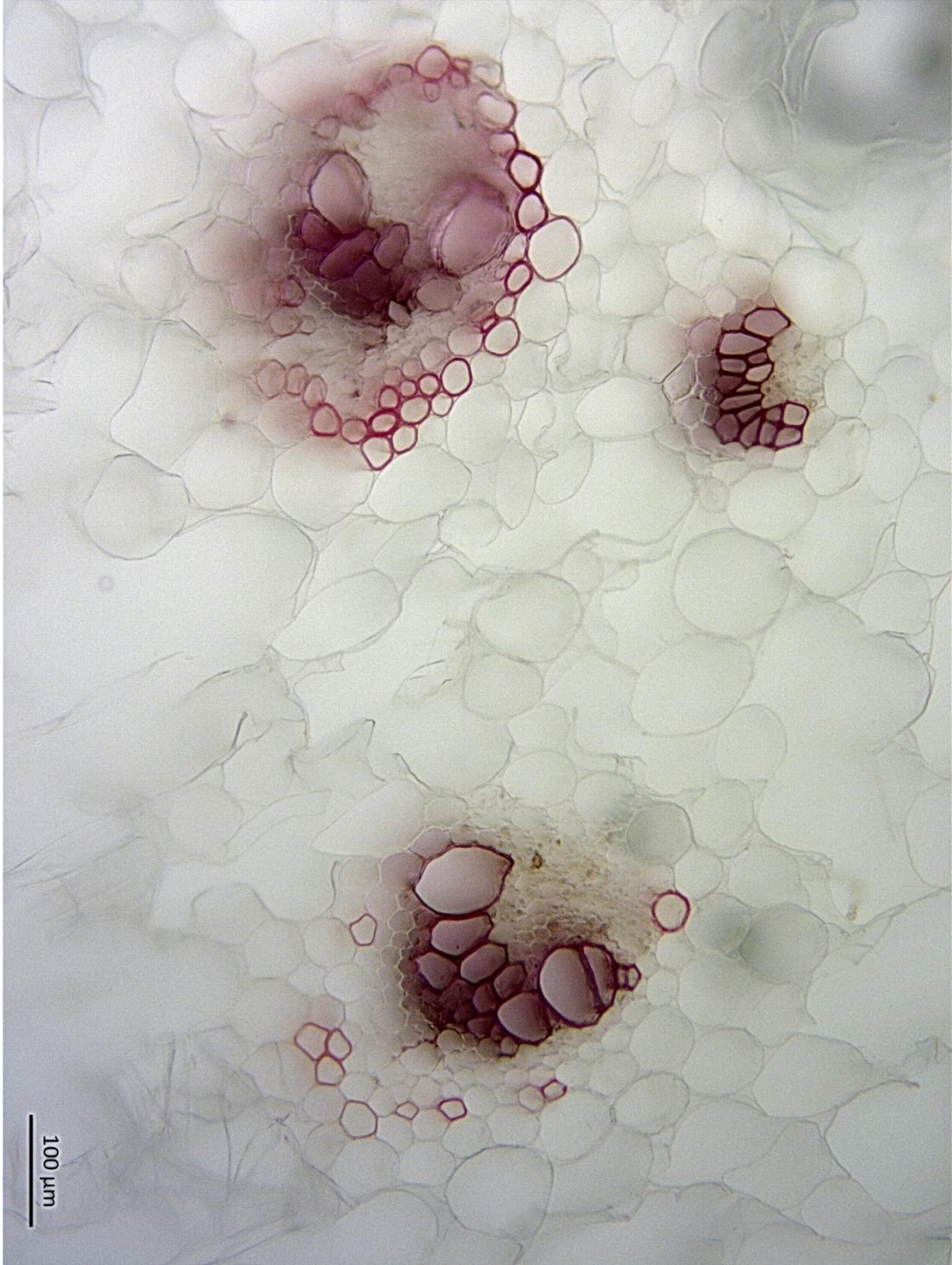




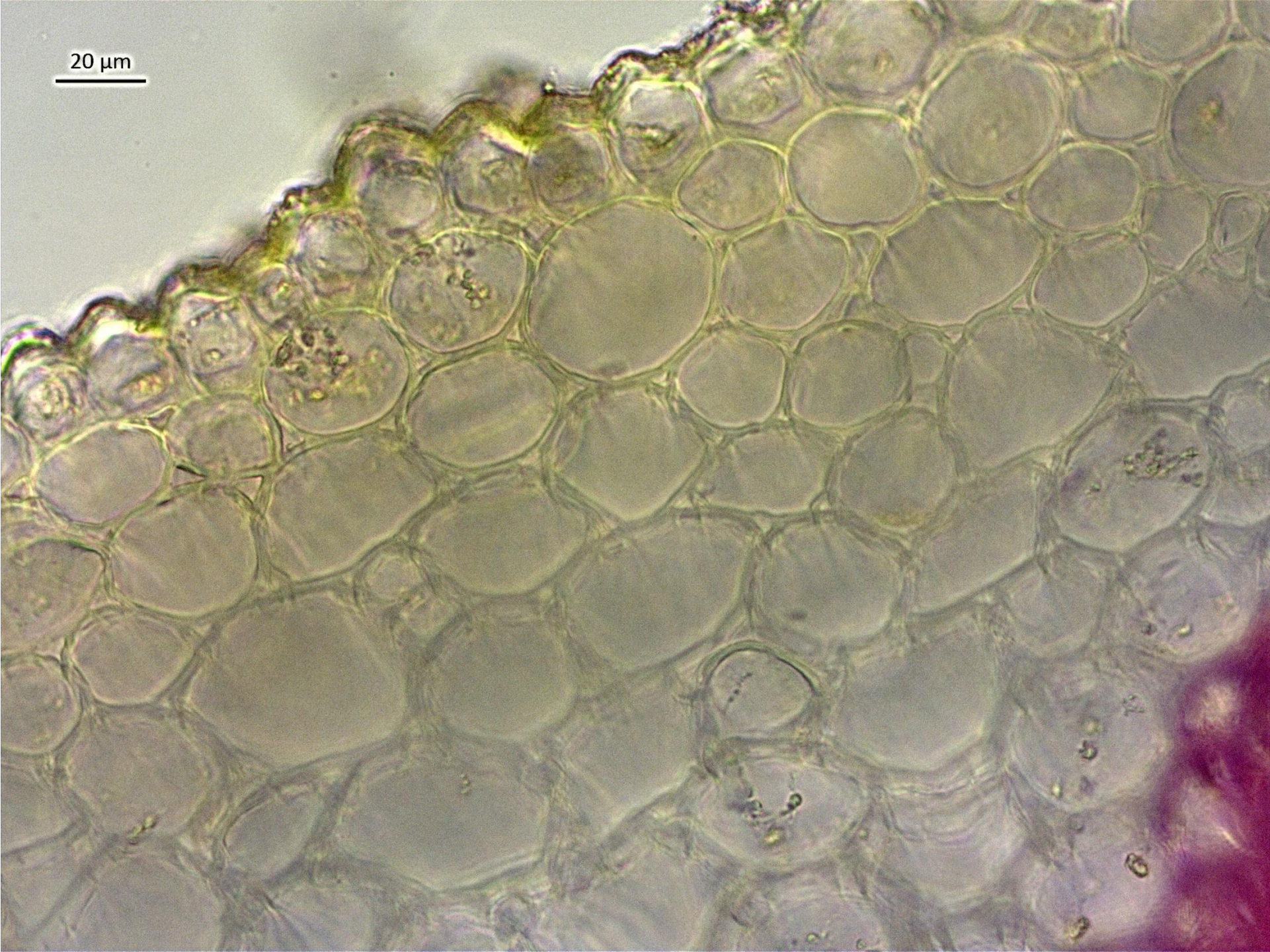






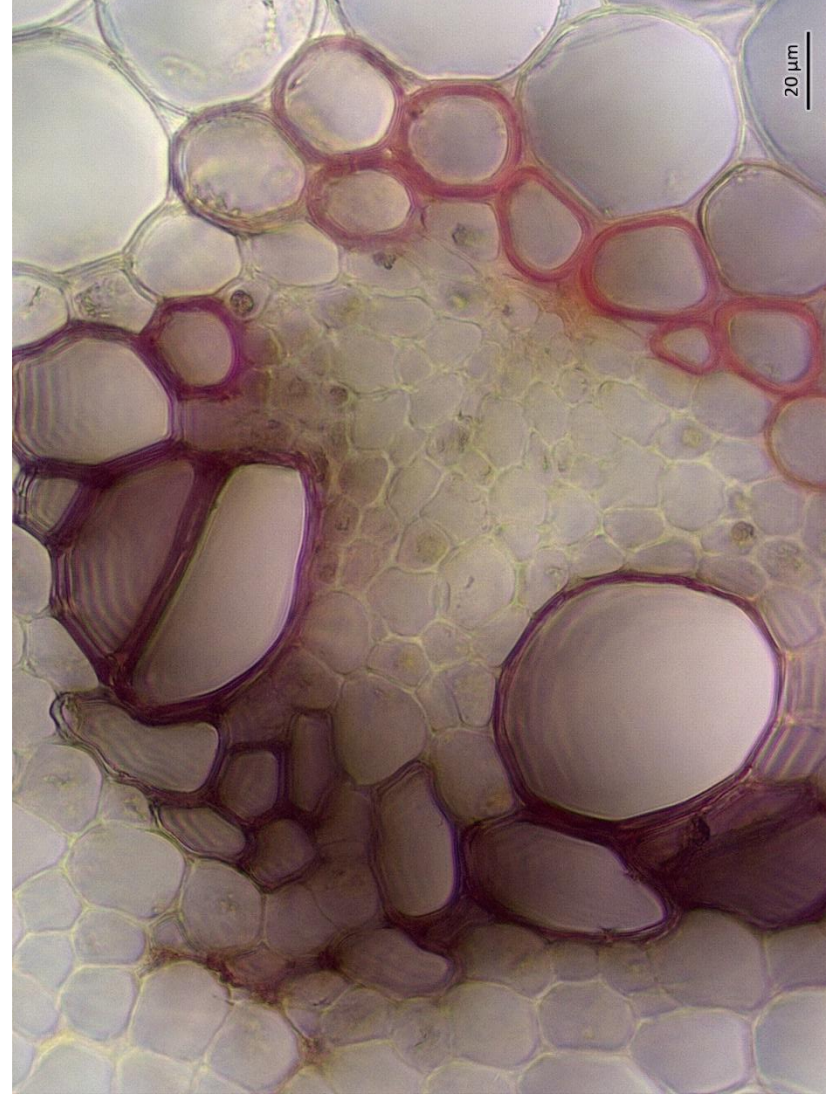
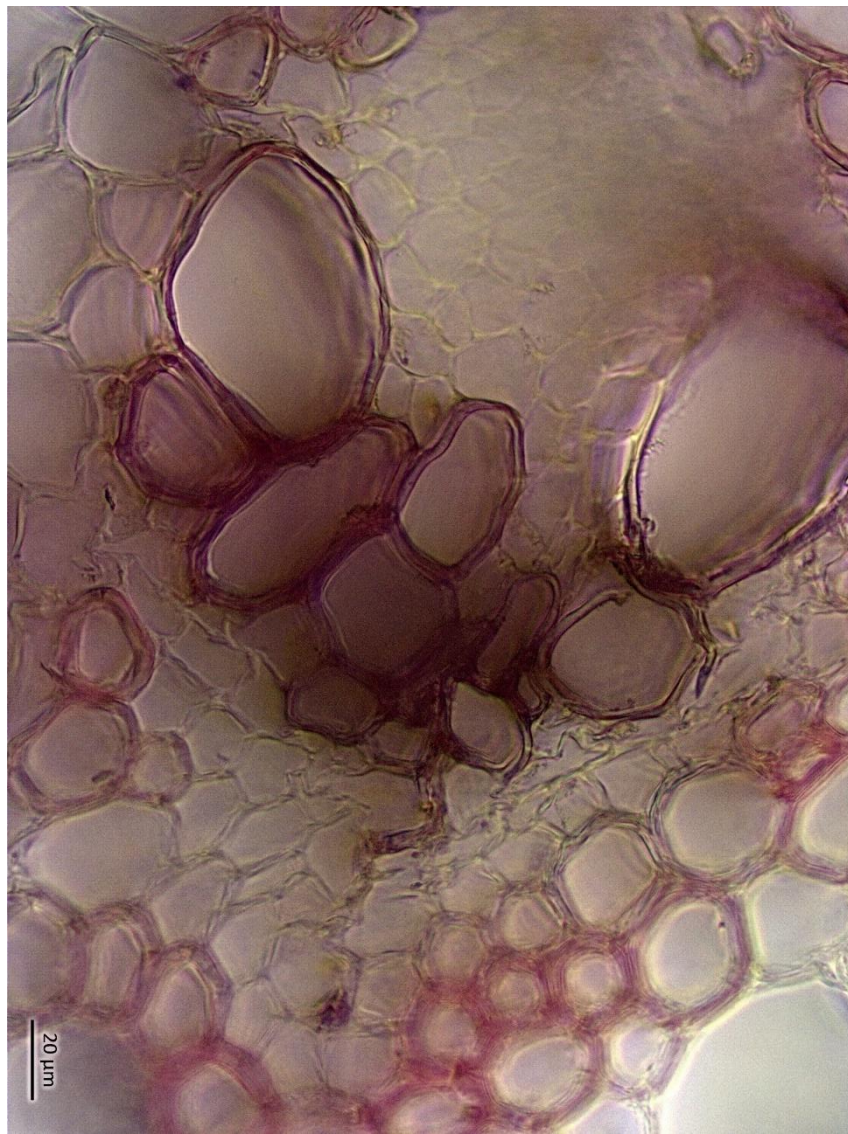




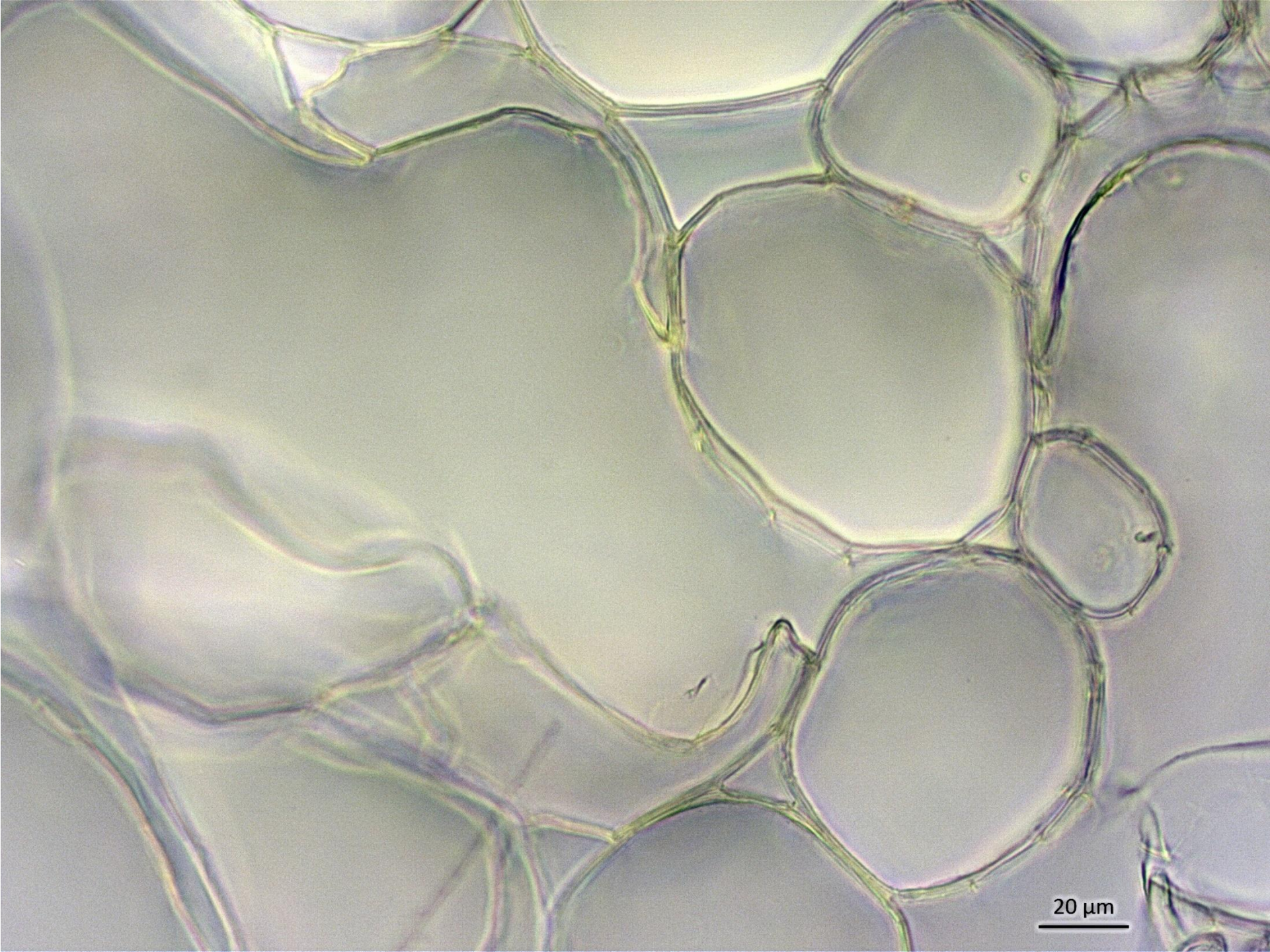


20 μm



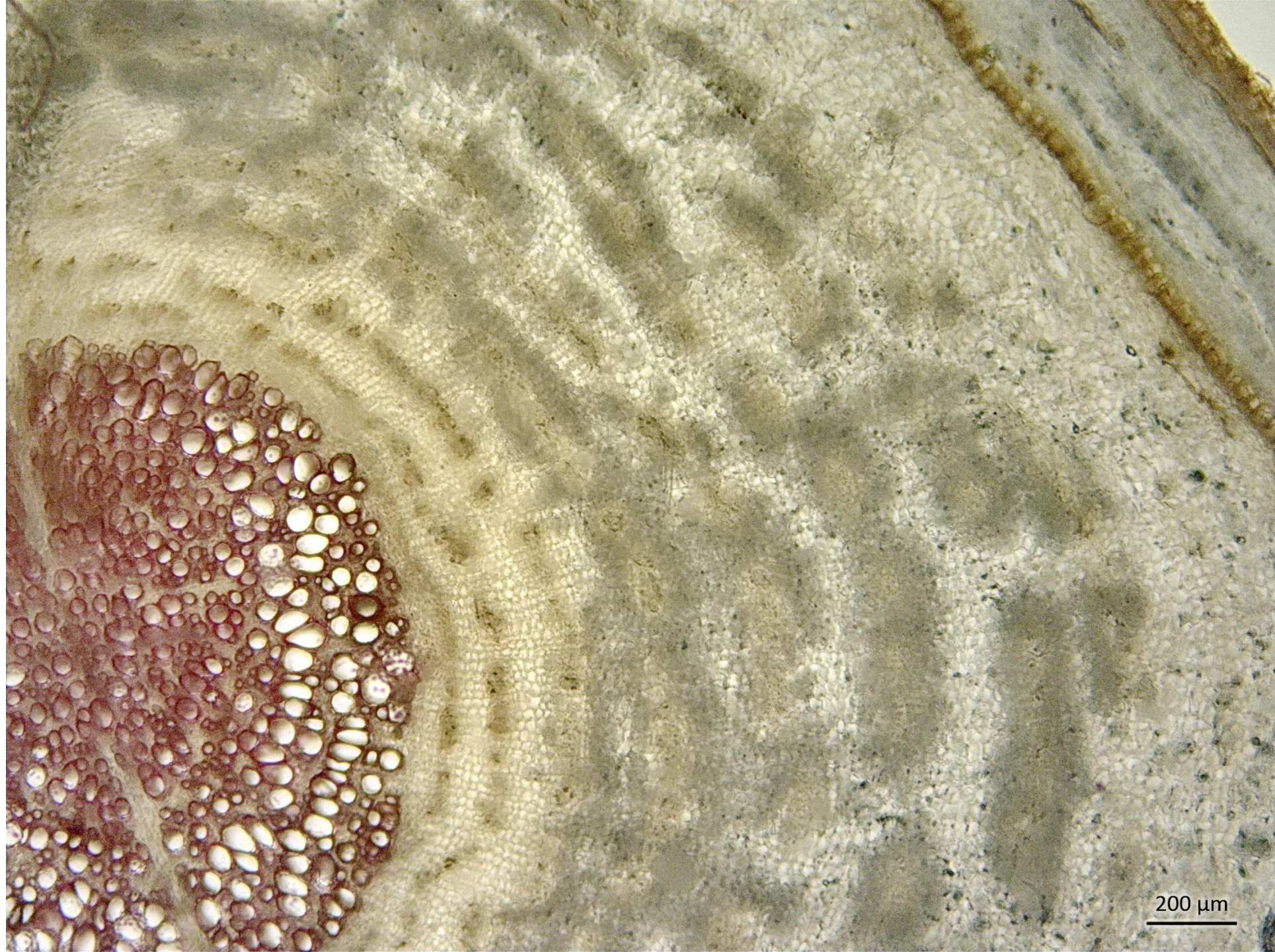






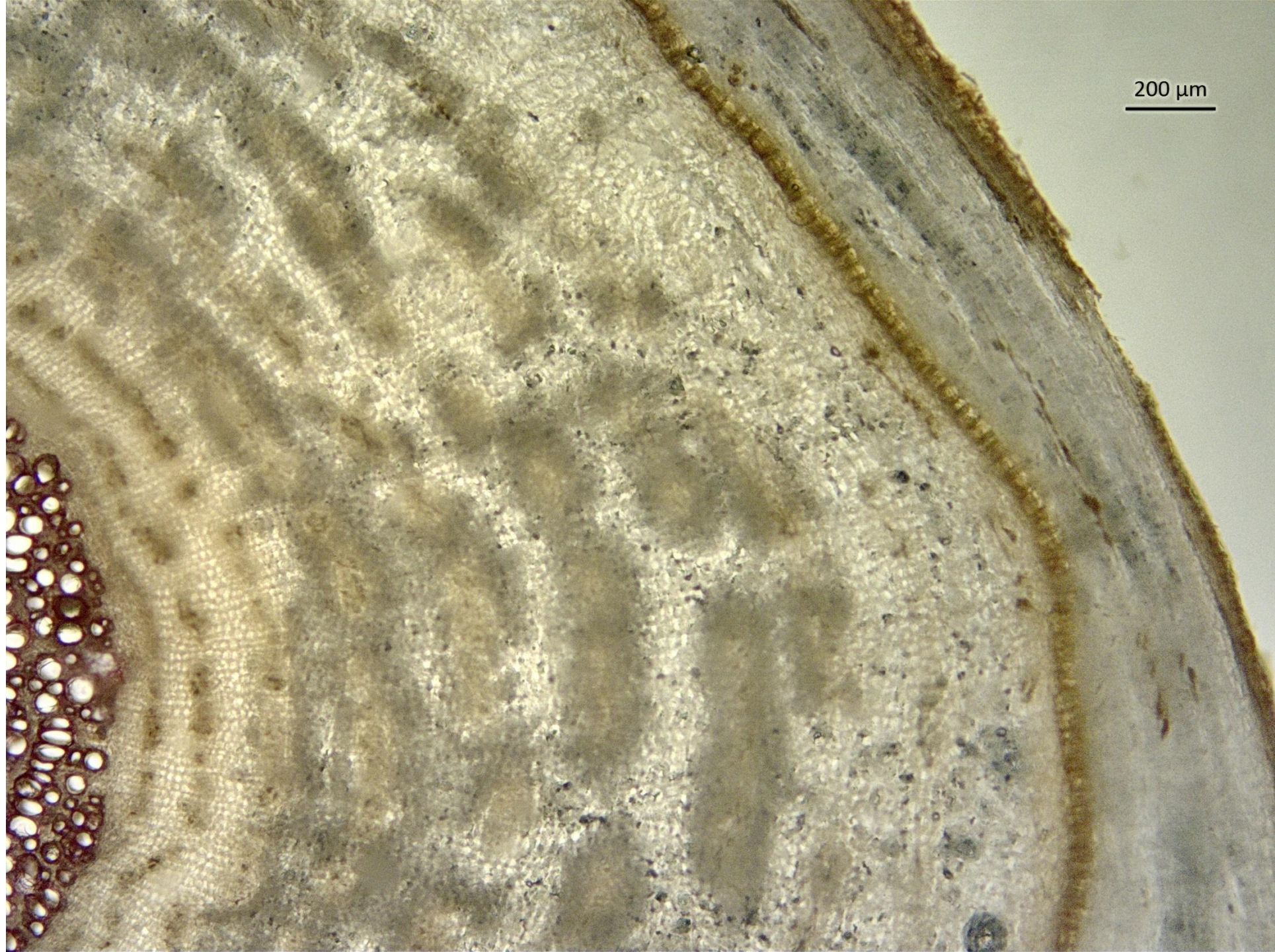
# Micro-preparation 2





200 μm









200 μm



