

[Open Peer Review on Qeios](#)

Vacuole

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). [Vacuole](#).

A vacuole is a membrane-bound cell organelle. In animal cells, vacuoles are generally small and help sequester waste products. In plant cells, vacuoles help maintain water balance. Sometimes a single vacuole can take up most of the interior space of the plant cell.