



QB - Cell models

- 1 | The animal and plant cell models shown below, allow us to study the structural organization of eukaryotic cells, those cells have a true nucleus that contains genetic material and the other organelles outside to the nucleus presents in the space cytoplasmic.
- 2 | Both models give the possibility to compare and observe the basic differences between eukaryotic animal cell and eukaryotic plant cell, which it is very appropriate to begin the study of cell biology in schools.
- 3 | The set is complemented with a basic representation of the typical mitosis of eukaryotic cells (animal and vegetable).

▶ Animal cell



- 1 | Longitudinal section which provide you an overview of the general morphology commonly present in animal eukaryotic cell.
- 2 | Includes the nucleus and its general genetic content (DNA / RNA) represented in form of intertwined fibers, and various organelles and elements presents in the cytoplasmic space (smooth and rough endoplasmic reticulum, Golgi, mitochondria, vesicles, lysosomes, ribosomes , centrioles, etc.)

Code	Parts	Magnification
QBN001	1	10000x

▶ Plant Cell



- 1 | Representative longitudinal section of the internal structure of the plant cell, compound for the nucleus of the most representative organelles (vacuoles, chloroplasts, ER and mitochondria).
- 2 | Shows the external morphology of cell union between adjacent cells, through the cell wall and its primary pores of intermembrane connection that constitute the plasmodesmata.

Code	Parts	Magnification
QBG004	1	3000x

▶ Mitosis



- 1 | Illustrates the division of the nucleus (mitosis) in a dividing cell at different times, all of them included within the four stages of the nuclear division: prophase, metaphase, anaphase and telophase.
- 2 | Assemble on a base, all made of PVC.

Code	Parts	Magnification
QBN003	1	10000x