

Table 23.2.

DISTRIBUTION OF SENSE CELLS OF THREE FUNCTIONALLY IDENTIFIED TYPES IN DIFFERENT PARTS OF THE BODY IN ORDINARY WRINKLED SKIN OF *HELIX POMATIA*. Counts of Golgi preparations by Schulz (1938).

Body Region	Taste Receptor Cells (per mm ²)	Relative Responsiveness to Taste	Olfactory Receptor Cells* (per mm ²)	Relative Responsiveness to Odor	Photo-Receptor Cells (per mm ²)	Relative Responsiveness to Light
Large tentacle, side of	7.1	+++	2.6	+++	2	++
Small tentacle, side of	14.8		7.8	+++	6.8	++++
Anterior head region with oral lobes	12.5	++++	9.2	++++	9.4	++++
Anterior dorsum of foot	15.7	++	2	+	4.6	
Posterior dorsum of foot	10.3	+	1.9	++	3.3	+
Anterior foot margin	10	++	2.6	++	0.9	
Posterior foot margin	6.3	++	1.5	++	0.7	

*With 2-6 distal intracuticular processes, 2-3 in all regions except sides of tentacles, where some are 4-6; compare cap of large tentacle with hundreds per mm² of sense cells, all of olfactory type with 20-30 processes!

+ to ++++ represent increasing degrees of responsiveness.

