



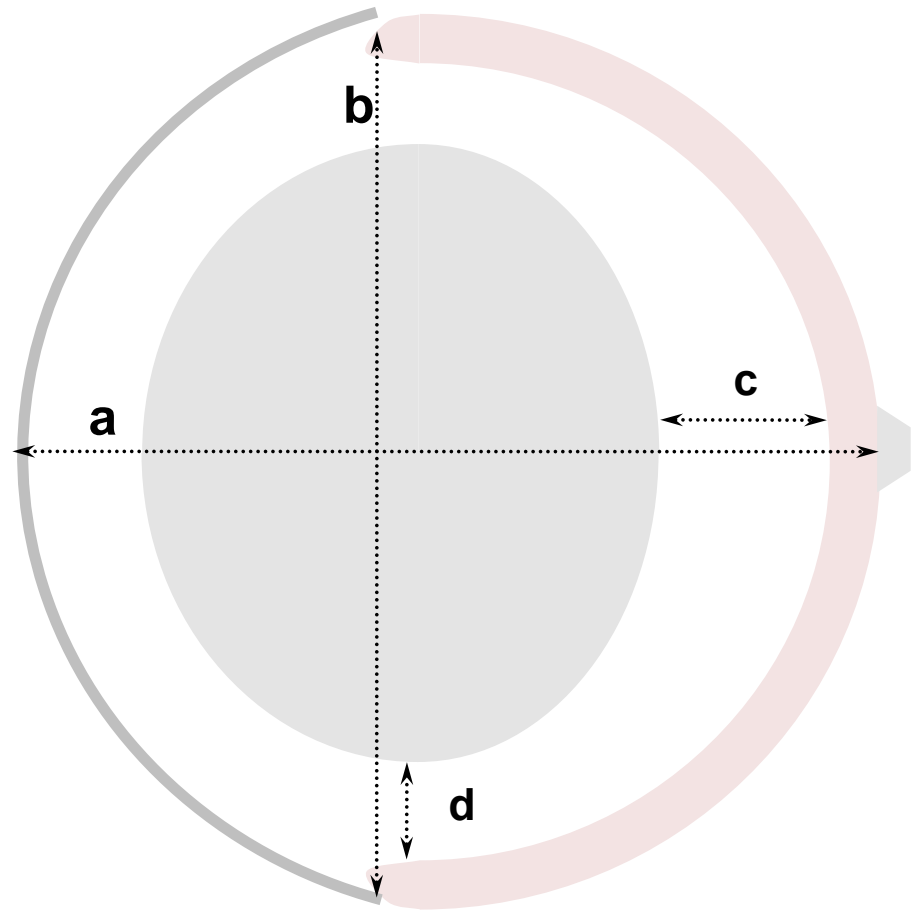
Mouse Schematic Eye

Remtulla & Hallet 1985 Vis Res 25: 21-31

1.0 mm

Key measures

a	3.37 mm length
b	3.32 mm diameter
c	0.59 mm
d	0.36 mm
aqueous vol	4.4 μ l
vitreous vol	5.3 μ l
retinal subtense	31 μ m/deg
retinal arc	4.9 mm
retinal area	15.6 mm ²
cone:rod ratio	0.028
mean cone density*	12,147 \pm 2025 mm ⁻²
mean rod density*	430,153 \pm 75,155 mm ⁻²



*Jeon et al. 1998 J Neurosci 18:8936-8946



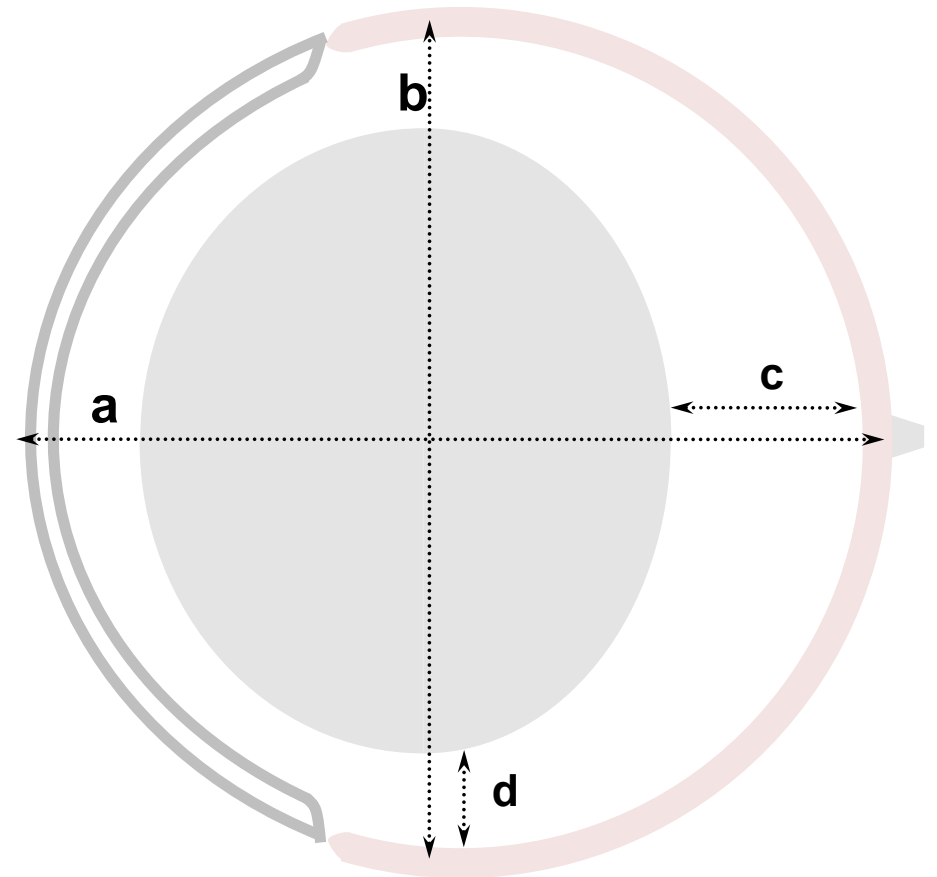
Rat Schematic Eye

Hughes 1979 *Vis Res* 19: 569-588

1.0 mm

Key measures

a	6.29 mm length
b	6.41 mm diameter
c	1.4 mm
d	0.68 mm
aqueous vol	13.6 μ l
vitreous vol	54.4 μ l
retinal subtense	59 μ m/deg
retinal arc	10.6 mm
retinal area	52 mm ²
cone:rod ratio	
mean cone density*	mm ⁻²
mean rod density*	mm ⁻²





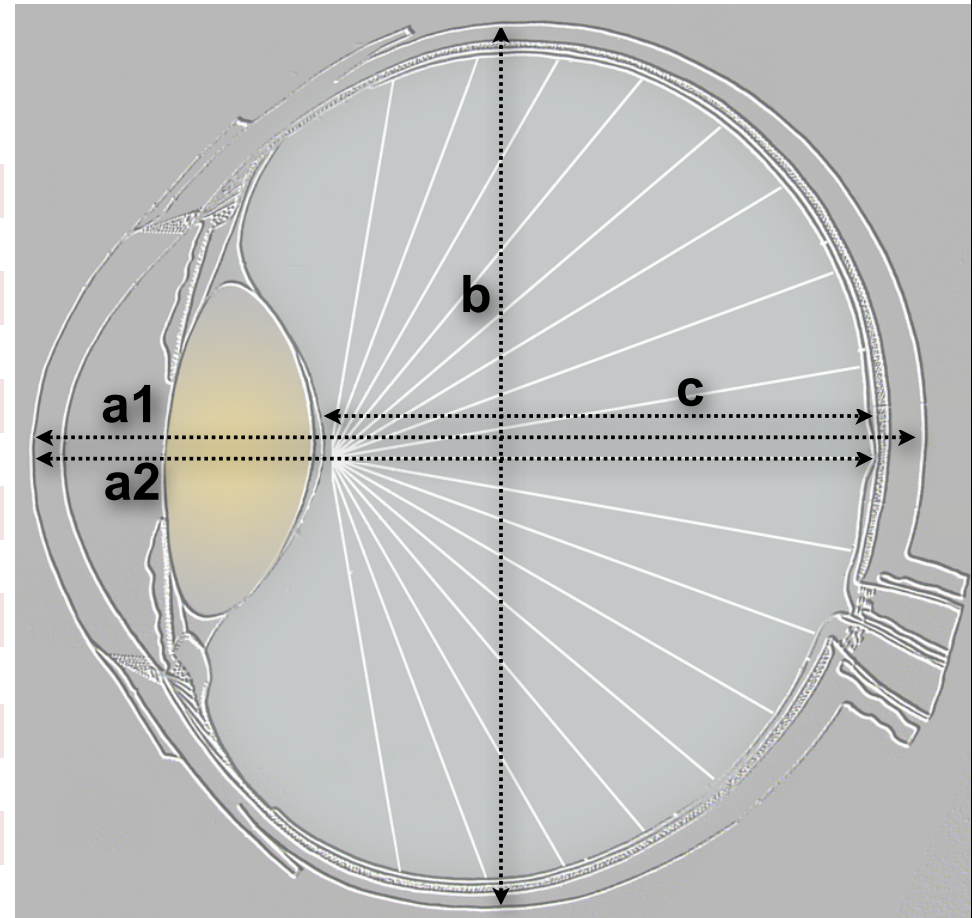
Human Schematic Eye

Oyster, The Human Eye, Raven Press 1999

10 mm

Key measures

a1	24 mm length
b	28 mm diameter
c	16.78 mm
a2	22.22 mm
aqueous vol	260 μ l
vitreous vol	5.2 ml
retinal subtense	300 μ m/deg
retinal arc	51 mm
retinal area*	1024 \pm 184 mm ²
total cone:rod ratio*	17.7
total cone count*	3.25 \times 10 ⁶ \pm 618 \times 10 ⁵
total rod count*	57.4 \times 10 ⁶ \pm 10.5 \times 10 ⁶
foveal cone density	200 \times 10 ³ mm ⁻²
20 deg cone density	5 \times 10 ³ mm ⁻²
20 deg rod density	150 \times 10 ³ mm ⁻²



*Panda-Jonas S, JB Jonas, M Jakobczyk, U Schneider Retinal photoreceptor count, retinal surface area, and optic disc size in normal human eyes. Ophthalmology. 1994 101:519-23.