

**TABLE 1 Rod phototransduction parameter values**

Description	Value	Reference
$D_G$	$1.2 \mu\text{m}^2/\text{s}$	Pugh and Lamb (1993)
$k_H$	$10 \text{ s}^{-1}$	Chen et al. (2000)
$k_1$	$100\text{--}1000 \text{ s}^{-1}$	Pugh and Lamb (1993); Kahlert and Hofmann (1991); Leskov et al. (2000)
$k_2$	$1 \mu\text{m}^2/\text{s}$	Pugh and Lamb (1993)
[Rhodopsin]	$25,000 \mu\text{m}^{-2}$	Hamm and Bownds (1986)
[Transducin]	$2500 \mu\text{m}^{-2}$	Pugh and Lamb (1993)
[Phosphodiesterase]	$200 \mu\text{m}^{-2}$	Dumke et al. (1994)

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