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ERRATUM

Erratum to: ISCEV Standard for full-field clinical electroretinography (2015 update)

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There is an error in Table 1 of the recently published ISCEV Standard for full-field clinical electroretinography (2015 update) [1]. Users of this standard should note that the filter settings for dark-adapted oscillatory potentials (OPs), as correctly specified in the text, require that the high-pass filter should remove frequencies of 75 Hz and below from the ERG waveform; the low-pass filter setting of 300 Hz or above is the same as for other ERG tests. Table 1 is provided below with the correct bandpass for OPs

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Table 1 Stimulus and recording parameters for ISCEV standard full-field ERGs

ERG test	Adaptation/background strength and time	Stimulus strength (range)		Inter-stimulus time (rate)	Recording bandpass (Hz)		Main physiological generator(s)
		Photopic cd s m^{-2}	Scotopic cd s m^{-2}				
Dark-adapted 0.01 ERG	DA ≥ 20 min	0.01 (0.008–0.013)	0.025 (0.02–0.03)	≥2.0 s (≤0.5 Hz)	≤0.3	≥300	*b-wave*: rod-initiated on pathways
Dark-adapted[a] 3.0 ERG	DA ≥ 20 min	3.0 (2.7–3.4)	7.5 (6.7–8.4)	≥10 s (≤0.1 Hz)	≤0.3	≥300	*a-wave*: photoreceptors and post-receptoral on pathways *b-wave*: on and off bipolar cells
Dark-adapted[a] 10 ERG	DA ≥ 20 min	10 (8.9–11.2)	25 (6.7–8.4)	≥20 s (≤0.05 Hz)	≤0.3	≥300	*a-wave*: photoreceptors and post-receptoral on pathways *b-wave*: predominantly rod bipolar cells (on pathways)
Dark-adapted[a] OPs	DA ≥ 20 min	3.0 (2.7–3.4)	7.5 (6.7–8.4)	≥10 s (≤0.1 Hz)	75[b]	≥300	On and off pathways reflecting middle retinal layers and vascular function
Light-adapted 3.0 ERG	30 cd m^{-2} ≥ 10 min	3.0 (2.7–3.4)	7.5 (6.7–8.4)	≥0.5 s (≤2.0 Hz)	≤0.3	≥300	*a-wave*: cones with post-receptoral on and off pathways *b-wave*: on and off bipolar cells
Light-adapted 30 Hz flicker	30 cd m^{-2} ≥ 10 min	3.0 (2.7–3.4)	7.5 (6.7–8.4)	0.036–0.030 s (28–33 Hz)	≤0.3	≥300	Cone systems with post-receptoral on and off pathways

[a] 'Dark-adapted' ERGs are recorded ERGs without further dark adaptation. Thus only the weak flash ERG is a fully dark-adapted response

[b] Filters should remove frequencies below 75 Hz. Filtering somewhat higher frequencies is acceptable but Standard OPs must include frequencies between 100 and 300 Hz

Reference

1. McCulloch DL, Marmor MF, Brigell MG, Hamilton R, Holder GE, Tzekov R, Bach M (2015) ISCEV Standard for full-field clinical electroretinography (2015 update). Doc Ophthalmol 130:1–12