

protocol_24

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First version of the screen protocol. The structure was based on protocol 19. This protocol includes a variety of optomotor gratings, curtain stimuli, reverse phi motion, and flicker patterns to comprehensively assess visual responses in freely-walking flies.

1 Protocol Parameters

Parameter	Value
Conditions	10
Patterns Used	9
t_acclim_start	300s
t_acclim_end	30s
t_interval	20s
t_flash	5s

Parameter	Value
t_pause	0.01

2 Conditions

#	Pattern	Speed	Duration	Description
1	Pattern 9	127	15s	60 deg gratings - 4Hz - 1 px step pattern
2	Pattern 27	127	15s	60 deg gratings - 8Hz - 2px step pattern
3	Pattern 17	127	15s	2:14 ON bars - 4Hz
4	Pattern 24	127	15s	2:14 OFF bars - 4Hz
5	Pattern 19	127	15s	ON curtains - 8Hz
6	Pattern 20	127	15s	OFF curtains - 8Hz
7	Pattern 32	16	15s	Reverse Phi - 4px step - 4Hz
8	Pattern 32	32	15s	Reverse Phi - 4px step - 8Hz
9	Pattern 10	8	15s	Flicker - 4Hz
10	Pattern 10	16	15s	Flicker - 8Hz
Inter-val	Pattern 47	N/A	20s	Dark interval pattern

3 Pattern Previews

3.0.1 [Pattern 9](#)



3.0.2 [Pattern 10](#)



3.0.3 [Pattern 17](#)



3.0.4 Pattern 19



3.0.5 Pattern 20



3.0.6 Pattern 24



3.0.7 Pattern 27



3.0.8 Pattern 32



3.0.9 Pattern 47

