

protocol_27

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Protocol_27.m - Screen protocol 2 - updated 10th March 2025 Based on protocol 24 Includes: - off background interval - pattern 47 - 60 deg gratings - 2 speeds - thin non50:50 bars - 2 speeds - curtains - fast - on / off - 32px not 16 px - reverse phi - 2 speeds - flicker - 1 speed - stationary grating pattern - 60 deg - stationary bar - on - phototaxis - 32px - shifted centre of rotation - 60 deg - 0.8 20s interval 30s trial duration - 2x trials stationary bars = 60s only one position

1 Protocol Parameters

Parameter	Value
Conditions	12
Patterns Used	12

Parameter	Value
t_acclim_start	300s
t_acclim_end	30s
t_interval	20s
t_flash	5s
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 51	127	15s	ON curtains - 8Hz - 32 px
6	Pattern 52	127	15s	OFF curtains - 8Hz - 32 px
7	Pattern 60	32	15s	Reverse Phi - 16px bar - 8px step
8	Pattern 60	64	15s	Reverse Phi - 16px bar - 8px step
9	Pattern 10	8	15s	Flicker - 4Hz
10	Pattern 10	0	15s	static grating - 60deg
11	Pattern 21	127	15s	shifted centre of rotation - 60deg - 0.8
12	Pattern 57	1	45s	bar fixation - 32px ON - single bar

3 Pattern Previews

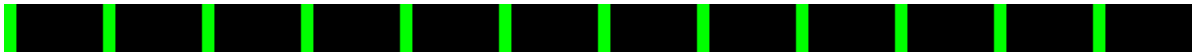
3.0.1 [Pattern 9](#)



3.0.2 Pattern 10



3.0.3 Pattern 17



3.0.4 Pattern 21



3.0.5 Pattern 24



3.0.6 Pattern 27



3.0.7 Pattern 47



3.0.8 Pattern 51



3.0.9 Pattern 52



3.0.10 **Pattern 57**



3.0.11 **Pattern 60**

