

System for simultaneously applying multiple stressors to simulate a military-relevant model of post-traumatic stress disorder consists of unit (1), a portable, reusable pulsed light source - the SEF-2 electronic flash - with a flash energy of 23 J, connected to unit (2) - a weekly programmable timer with adjustable rest periods - and unit (3) for housing rats. Wherein, unit (2) is designed to be connected to unit (6), a universal shaker WU-4 with a frequency of 200 shakes per minute. Block (3) is designed to be combined with speakers (4, 5) and block (7) for recording repetitive bursts of 80 to 88 dB, which is synchronized in time with block (2). Unit (1), speakers (4) and (5), and unit (6) are designed to be connected to an AC power supply.