The installation for gamma-, X-ray and neutron registration in water solutions (600 ml LiOH, or NaOH, or Na₂CO₃) during exposure with red light (λ=645+/−20 nm) of laser or light-emission devices (LEDs) was created. The laser light power was 5 mW and the LEDs – from 600 mW up to 10 W.

Neutrons were measured with help of two ³He counters, placed in paraphine barrel. Small neutron emission (up to 100 neutrons) has been registered in the form of series of short (ms) bursts during some minutes. Tritium production has also been detected in water solution probes. The gamma-ray and X-ray radiation measured by NaI scintillation detector & Geiger counters was not detected.

Received results are discussed.