

Method for determining resistance of potatoes to the cancer pathogen *Synchytrium endobioticum* (Schilbersky) Percival involves infecting potato sprouts with summer zoospores of the pathogen and analyzing them. Wherein, the infection of potato microtuber sprouts with summer zoospores of the cancer pathogen is carried out under in vitro conditions, incubation with summer zoospores of the pathogen is extended to 48 hours, and the degree of potato resistance to cancer is determined by microscopy.