
【Abstract】
To clarify the efficacy of repeated stool examinations by the agar plate culture method for the detection of *Strongyloides stercoralis* infection, 4071 stool samples collected from 2406 patients aged above 50 years in Ryukyu University Hospital were examined. The cumulative detection rate of *S. stercoralis* infection was 4.7% (112/2406). At the first, second, third, and beyond fourth examinations, the detection rates were 3.6% (86/2406), 1.5%(12/786), 2.6%(10/392), and 2.0%(4/198), respectively. From these results, the cumulative detection rate was estimated to be 7.4% when three stool samples were examined for all patients. Our study demonstrates that repeated stool examinations increase the sensitivity of detection of *S. stercoralis* infection.