

ABSTRACT

Disseminated *Penicillium marneffei* infections have become increasingly prevalent, especially among human immunodeficiency virus-infected patients. We published the presence of IgG antibodies recognition of the yeast phase antigens of 200, 88, 54 and 50 kDa in *P. marneffei* infected AIDS patients. In order to provide recombinant antigens for further characterization, we tried to construct cDNA library encoding these antigens. Total RNA was isolated from the yeast form *P. marneffei* and the mRNA was purified by various methods. In this study, the yield of mRNA isolation was about 1.0% of a total RNA population. The SuperScript Lambda system (BRL) was used in constructing a directional cDNA library from an mRNA population. In step of *in vitro* packaging of ligated cDNA, the *in vitro* packaging efficiency of the control DNA was rather low ($<10^7$ PFU/ μ g of control DNA), and no plaque formation was seen in the test reaction. However, we plan to construct the cDNA library of *P. marneffei* by using paramagnetic beads and PCR.