

Abstract:

Faecal samples were collected from 50 cats around Kabete, Kenya, and were examined for coccidian oocysts. Oocysts of *Besnoitia wallacei* (in 2) were recovered for the first time in Kenya. Oocysts of *Isospora felis* (in 33), *I. rivolta* (in 22), *Sarcocystis muris* (in 2) and *Toxoplasma gondii* (in 6) were also recovered. The *Besnoitia* oocysts were spherical to ellipsoidal in shape and measured 16.6 by 14.5 μm in diameter. 32 mice, 12 rats and 2 rabbits inoculated orally with *Besnoitia* oocysts developed characteristic tissue cysts. Two cats fed on infected mice and rat carcasses shed *Besnoitia* oocysts in faeces from day 12 to day 30 pi.