



武汉市美洲大蠊体内蠓缨滴虫感染情况调查

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Investigation on *Lophomonas blattarum* Infection in *Periplaneta americana* in Wuhan City

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摘要 为调查武汉市美洲大蠊感染蠓缨滴虫 (*Lophomonas blattarum*) 的情况, 解剖镜下分离110只美洲大蠊成虫肠道, 用0.6%氯化钠溶液洗涤剪开的肠道, 收集洗涤液, 涂片并作吉氏染色, 显微镜 ($\times 1000$) 下鉴定。结果显示, 共44份肠道洗涤液涂片中发现蠓缨滴虫疑似物。虫体呈卵圆形或梨形, 体长20~40 μm , 一端有成簇的多根鞭毛。经固定、染色后, 可见虫体胞浆呈蓝色; 细胞核1个, 呈紫褐色, 靠近虫体前端; 轴柱在虫体前端呈萼状 (轴罩), 胞核位于其中, 轴柱向后延伸至虫体末端, 经鉴定确认为副基体门动鞭毛纲超鞭毛目中的蠓缨滴虫。提示武汉市美洲大蠊的蠓缨滴虫感染率为40.0% (44/110)。

关键词: 蠓缨滴虫 美洲大蠊 感染率

Abstract: An investigation of *Lophomonas blattarum* infection in *Periplaneta americana* in Wuhan City were conducted. A total of 110 *P. americana* were dissected and the intestines were separated. The intestines were washed with 0.6% saline and the washing solutions were smeared on slides. The slides were stained with Giemsa stain and observed under a microscope ($\times 1000$). Out of 110 intestine washing solution samples, 44 were suspected of *L. blattarum* infection. The parasite was oval or pyriform in shape and 20-40 μm in size. A tuft of flagella extended down the central axis of the parasite and a trumpet-shaped calyx enveloped the flagellar area and the nucleus. An axostyle was slender and pointed posterior ends. Based on the above morphological characteristics, the parasite was identified as *L. blattarum*. The results showed that the infection rate of *L. blattarum* in *P. americana* in Wuhan City was 40.0% (44/110).

Keywords: *Lophomonas blattarum* *Periplaneta americana* Infection rate

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