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## Development of a simple and convenient feeding dev *aegypti* mosquitoes with *Brugia pahangi* microfilaria peritoneal cavity of Mongolian jirds

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**Abstract:** It has become difficult in recent years to conduct the dim mosquitoes on animals because of ethical considerations related to a Thus, the artificial feeding of mosquitoes on blood meals is an impor on the oral infection of mosquitoes to agents. Since Rutledge *et al.* artificial membrane-feeding technique, several artificial membrane-fe been developed to increase the feeding rates of mosquitoes on bloc the present study is to develop a simple and convenient device for th mosquitoes. We designed a device using Kimwipe®, a coverglass, and a 50 ml Erlenmeyer flask. The efficacy was assessed by the infe to *Brugia pahangi* microfilariae (MF) derived from the peritoneal c Immediately after the feeding of mosquitoes on MF by the new dev rate of mosquitoes was 50 - 81%. On day 14 post-feeding, 51 - 94 harbored third-stage infective larvae. The components needed to cc artificial feeding of mosquitoes are generally available in laboratorie elaborate modification of materials is necessary in making the feedir simple and convenient artificial feeding device promises to be applic infection of mosquitoes not only with *B. pahangi* MF but also with malaria and viruses.

[PDF (140K)] [References]

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