Embryonated chicken eggs as alternative infection model for pathogenic fungi.

Jacobsen ID, Grosse K, Hube B (2012) Embryonated chicken eggs as alternative infection model for pathogenic fungi. In: Brand AC, MacCallum DM (eds.) Methods in Molecular Biology. Host-fungus interactions. Methods and Protocols. 845, pp. 487-496. Humana Press (Springer).

Abstract

Embryonated eggs have been used as infection models for decades in virology and bacteriology. However, they can also be used as an attractive alternative infection model for studying fungal pathogenesis. Here, we discuss some general aspects which need to be considered when working with embryonated eggs as infection models. Furthermore, we provide detailed protocols and technical tips for infection of embryonated eggs with Aspergillus fumigatus and Candida albicans via the chorioallantois membrane, as well as sampling methods for downstream analyses.

Involved units

Microbial Pathogenicity Mechanisms Bernhard Hube Read more

Microbial Immunology Ilse Jacobsen Read more

Leibniz-HKI-Authors

Katharina Große

Details

Bernhard Hube

Details

Ilse Denise Jacobsen

Details

Identifier

doi: 10.1007/978-1-61779-539-8

PMID: 22328397