Reviewer’s report

**Title:** Accuracy of IgM antibody testing, FQ-PCR and culture in diagnosis of acute infection by Mycoplasma pneumoniae in adults and adolescents with community-acquired pneumonia

**Version:** 1  **Date:** 29 November 2012

**Reviewer:** VIVIAN LUCHSINGER

**Reviewer’s report:**

This paper compares different methods for the diagnosis of Mycoplasma pneumoniae. In this article, the question is well defined and title and abstract are adequate. Methods are appropriate but description of some of them is too concise. Results are clearly exposed. Some of them are unexpected that could be explained by the limited sample. This limitation is commented by the authors themselves. Discussion and conclusions are appropriate and supported by the data. The writing is acceptable.

Discretionary revisions:

Considering that in the article diagnostic techniques are compared, it is recommended that authors describe in more detail the PCR kit used, eg primers and thermocycler program applied.

It would be very interesting to compare the results of culture compared to PCR and analyze agreement between three techniques(IF, culture and PCR)

Minor Essential Revisions:

In third paragraph of discussion, it should be corrected last name of the author (Martínez and not Maria).

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

delcare that I have no competing interests´below.