

Accepted Manuscript

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PII: S0022-1759(16)30100-4
DOI: doi: [10.1016/j.jim.2016.05.008](https://doi.org/10.1016/j.jim.2016.05.008)
Reference: JIM 12187

To appear in: *Journal of Immunological Methods*

Received date: 2 February 2016
Revised date: 16 May 2016
Accepted date: 17 May 2016



Please cite this article as: Gwyn, Sarah, Mitchell, Alexandria, Dean, Deborah, Mkocha, Harran, Handali, Sukwan, Martin, Diana L., Lateral Flow-Based Antibody Testing for *Chlamydia trachomatis*, *Journal of Immunological Methods* (2016), doi: [10.1016/j.jim.2016.05.008](https://doi.org/10.1016/j.jim.2016.05.008)

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Lateral Flow-Based Antibody Testing for *Chlamydia trachomatis*

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Keywords:

Chlamydia trachomatis, trachoma, antibody, serosurveillance, lateral flow

Abstract:

We describe here a lateral flow-based assay (LFA) for the detection of antibodies against immunodominant antigen Pgp3 from *Chlamydia trachomatis*, the causative agent of urogenital chlamydia infection and ocular trachoma. Optimal signal detection was achieved when the gold-conjugate and test line contained Pgp3, creating a dual sandwich capture assay. The LFA yielded positive signals with serum and whole blood but not

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