

## **Laboratory diagnosis of *Haemophilus ducreyi*: sensitivity of culture media**

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<http://hinari-gw.who.int/whalecomwww.ncbi.nlm.nih.gov/whalecom0/pubmed/3485507>

<http://erepository.uonbi.ac.ke:8080/xmlui/handle/123456789/31158>

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### **Abstract:**

Laboratory confirmation of the clinical diagnosis of chancroid requires the isolation of *Haemophilus ducreyi*. Enriched gonococcal (GcHbS) and Mueller-Hinton agar (MHHb) both support the growth of most strains of *H. ducreyi*. In this study we compared the isolation rate of *H. ducreyi* on GcHbs and MHHb media in 111 men with genital ulcer disease. A second culture was obtained in 84 men at 48 hr in order to determine the reproducibility of *H. ducreyi* culture. The sensitivity of a single and a sequential pair of cultures on GcHbS was 67% and 74%, respectively, on men with presumed chancroid. The sensitivity of the MHHb as a single culture was 53%. Using both media for the initial culture of genital ulcers, and repeating the culture on GcHbs at 48 hr, increased the sensitivity of the isolation of *H. ducreyi* to 92% in men who had no prior antimicrobial use and who had no laboratory evidence of primary syphilis.