

### **Stt Multiplex Pcr Seegene Manual**

*The Manual of Commercial Methods in Clinical Microbiology 2nd Edition, International Edition reviews in detail the current state of the art in each of the disciplines of clinical microbiology, and reviews the sensitivities, specificities and predictive values, and subsequently the effectiveness, of commercially available methods – both manual and automated. This text allows the user to easily summarize the available methods in any particular field, or for a specific pathogen – for example, what to use for an Influenza test, a Legionella test, or what instrument to use for identification or for an antibiotic susceptibility test. The Manual of Commercial Methods in Clinical Microbiology, 2nd Edition, International Edition presents a wealth of relevant information to clinical pathologists, directors and supervisors of clinical microbiology, infectious disease physicians, point-of-care laboratories, professionals using industrial applications of diagnostic microbiology and other healthcare providers. The content will allow professionals to analyze all commercially available methods to determine which works best in their particular laboratory, hospital, clinic, or setting. Updated to appeal to an international audience, The Manual of Commercial Methods in Clinical Microbiology, 2nd Edition, International Edition is an invaluable reference to those in the health science and medical fields.*

*Manual of Commercial Methods in Clinical Microbiology*

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**Background:** The WHO estimates that more than 1 million sexually transmitted infections (STI) are acquired every day worldwide including curable bacterial STIs such as Chlamydia or Gonorrhoea. In this study, we evaluated the RIDAu00aeGENE CT/NG/MG PCR assay (R-Biopharm AG) for the simultaneous, direct detection of Chlamydia trachomatis, Neisseria gonorrhoeae and Mycoplasma genitalium as an aid in the diagnosis of urinary tract infections or infections of the genital area.  
**Methods:** Prospectively and retrospectively collected samples were tested with the RIDAu00aeGENE CT/NG/MG assay on the LightCycleru00ae 480II (Roche). In total 508 samples were tested for C. trachomatis, 108 specimens for N. gonorrhoea and 106 samples for M. genitalium. Results were compared to real-time PCR (Volkman method, FluoroType u00aeCT, FluoroType u00aeNG) and PCR multiplex panel (Seegene Allplexu2122 STI-7 Essential Assay). All assays were performed according to manufactureru2019s instructions. **Results:** In summary the specimen contained 44 bacterial STI pathogens (C. trachomatis (n=23), N. gonorrhoea (n=14), M. genitalium (n=7)). Co-infections were found for CT/MG

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***(n=2) and CT/NG (n=1). Positive and negative agreement to the PCR multiplex panel accounts for 92,59% and 99,59% respectively for CT, 92,59% and 98,96% for NG and 85,71% and 94,29% for MG. The positive and negative agreement for the RIDAu00aeGENE CT/NG/MG assay in comparison to the reference in-house method was 89,66% and 99,38% respectively for CT, (FluoroType u00aeCT) , 100% and 100% for NG (FluoroType u00aeNG) and 100% and 98,99% for MG (Volkman method). Conclusions: The RIDAu00aeGENE CT/NG/MG multiplex-PCR assay showed sensitive and specific results for the detection of C. trachomatis, N. gonorrhoea and M. genitalium in human urine samples, genital swabs and ejaculate. Genetic Engineering & Biotechnology News***