



Molecular diagnostics



YOUR NEEDS, OUR PURPOSE.

Real-time PCR panels for
the agents of genital ulcer
disease (GUD)

HSV 1 & 2

Treponema pallidum

Haemophilus ducreyi

Chlamydia trachomatis L1, L2, L3

- ◆ The CDC recommends NAAT, when available, for the detection of HSV 1&2, *T. pallidum*, *H. ducreyi*, and *C. trachomatis* L1-3.¹
- ◆ NAAT is the preferred approach for LGV testing to distinguish LGV and non-LGV *C. trachomatis* strains.¹
- ◆ More than one etiologic agent can be present in any genital, anal, or perianal ulcer.¹

References:

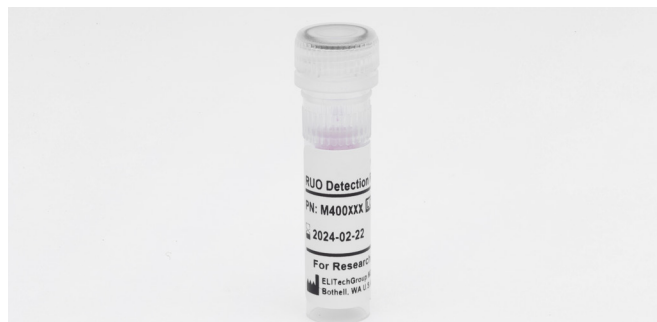
1. Workowski KA, Bachmann LH, Chan PA, et al. Sexually Transmitted Infections Treatment Guidelines, 2021. *MMWR Recomm Rep* 2021;70(No. RR-4):1–187.

ELITe BeGenius®

A fully automated
sample-to-result solution

► INSTRUMENT:

- ◆ Onboard RNA and DNA extraction and real-time PCR
- ◆ Universal extraction for multiple specimen types
- ◆ Up to 24 independently controlled PCRs enabling multiple LDTs in a single workflow
- ◆ Qualitative and quantitative analyses and results interpretation
- ◆ Easy integration with LIS



► PRODUCT PRINCIPLES

The DSQ Alert™ GUD multiplex RUO* detection panels are real-time PCR reagents designed with ELITechGroup's proprietary DSQ-TaqMan technology, our next generation of probe chemistry. The reagents contain primer sets and probes, each labeled with a fluorescent dye and a duplex stabilizing quencher (DSQ) that serves as a combined fluorescence quencher and DNA double helix stabilizer.

► REAGENT DESCRIPTIONS

Each GUD real-time PCR panel is a ready-to-use 20X mix of primer and probe sets specific to each of the target pathogens, and to a synthetic sequence to serve as an internal control (IC) to monitor assay performance. Probes are labeled with FAM or an AquaPhluor® (AP) fluorescent dye and a DSQ to enable detection and discrimination of the DNA of each GUD pathogen.

Both GUD real-time PCR panels are provided at a volume of 120 µL each and are designed to be combined with a mastermix containing the necessary excipients for PCR. The 20X concentration is relative to the optimal final concentration of the primers and probes in the PCR. Positive control products and mastermixes are not provided and must be purchased separately.

Reagents from ELITechGroup MDx are compatible with the ELITe BeGenius™ and other open platforms as validated.

► ORDERING INFORMATION

PART NUMBER	NAME
M400872	DSQ Alert™ GUD-1 HSV 1&2, <i>T. pallidum</i> RUO Detection Reagent
M400805	DSQ Alert™ GUD-2 <i>H. ducreyi</i> , <i>C. trachomatis</i> (L1, L2, L3) RUO Detection Reagent

*For Research Use Only. Not for use in diagnostic procedures.

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