

# PlexPrime® GC+gyrA\*

## Assay Reagent

### Description

**PlexPrime® GC+gyrA** (Research Use Only)

Single-well multiplex for simultaneous detection of gene targets opa and porA (*N. gonorrhoeae* specific genes); gyrA S91F mutation; gyrA S91 wild type, and an internal control, using **PlexPCR®** technology

| Product Design                    |                              |                           |                                                   |
|-----------------------------------|------------------------------|---------------------------|---------------------------------------------------|
| Well                              | Channel                      | Target                    | qPCR cycling duration                             |
| 1                                 | 1                            | opa                       | 1hr 15 minutes                                    |
|                                   | 2                            | porA                      |                                                   |
|                                   | 3                            | gyrA S91F mutant sequence |                                                   |
|                                   | 4                            | gyrA S91 wild type        |                                                   |
|                                   | 5                            | Internal Control          |                                                   |
| Plate Format                      |                              | Total Reactions           | Reaction Volume                                   |
| 96-well                           |                              | 100                       | 20 µL                                             |
| Workflow Flexibility              |                              |                           |                                                   |
|                                   | Instrument                   |                           | Extraction kit                                    |
| Sample Extraction                 | EZ1                          |                           | EZ1 DSP Virus Kit                                 |
|                                   | MagNA Pure 96                |                           | MagNA Pure 96 DNA                                 |
|                                   | QIAasymphony SP              |                           | DSP Virus/Pathogen Minikit                        |
| Liquid Handling                   | Lab self-validated           |                           |                                                   |
|                                   | Instrument                   |                           | SpeedX Kit Cat #                                  |
| Amplification                     | Roche LC480 II               |                           | Inquire                                           |
|                                   | CFX96 IVD / CFX96 Touch      |                           | Inquire                                           |
|                                   | ABI 7500 Fast / 7500 Fast Dx |                           | 7201031                                           |
| Optional positive control         |                              | Compatible                | Size                                              |
| <b>ResistancePlus®</b> GC Control |                              | All platforms             | 10 reactions                                      |
| Shipping & Storage                |                              |                           |                                                   |
| Shipping                          |                              |                           | Storage                                           |
| Reagents — dry ice/ice packs      |                              |                           | Store protected from light between -25°C to -15°C |

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