



25 2nd Street North
Suite 320
St Petersburg, Florida 33701
Phone: (727) 289-7269
Fax: (727) 499-7561
bioplextechnologies.com

SE300

Portable Bioreaction Monitoring System

The patented SE 300 Portable Bioreaction Monitoring System is a handheld thermally regulated fluorometer. Powered by USB or wall outlet, the reactions are PC controlled and users can view real time response data via curve or raw data tables using our proprietary SE 300 software (included with unit purchase). The unit has been primarily used for NASBA reactions, which run at 41C, but the reaction chamber temperature can be adjusted on the fly for other isothermal methods. The standard unit is configured for dual channel FAM (495/520nm) and ROX(586/610nm) molecular probes, but can be custom configured to meet your specifications.

SPECIFICATIONS:

Dimensions:	5.5" x 3.6" x 1.1"
Input Power:	USB: 5V 500 mA
	Wall: 110-120VAC 50-60Hz
Sample Size:	20-30uL
# Fluor Channels:	2
Reaction Temp Range:	23-50C
Typical Reaction Time:	20-50 minutes (varies with assay)

Bioplex is actively working with assay development partners toward commercialization & resale of the following application specific assays to be used with the handheld:

ENVIRONMENTAL HEALTH APPLICATIONS

- ENTEROCOCCUS
- E. COLI
- K. BREVIS

FOOD APPLICATIONS:

- SEAFOOD SPECIES CONFIRMATION (GROUPEL & OTHERS)
- E. COLI

HUMAN HEALTH APPLICATIONS:

- HIV-1 V2.0
- HSV 1/2
- INFLUENZA A/B
- RSV A+B
- HMPV
- CMV pp67
- NOROVIRUS
- CHIKUNGUNYA
- CYTOMEGALOVIRUS
- CHLYMYDIA TRACHOMATIS
- DENGUE
- MYCOBACTERIUM TUBERCULOSIS
- PARAINFLUENZA 1/2/3/4
- RHINOVIRUS
- WESTNILE VIRUS
- ENTEROVIRUS