

SET UP YOUR OWN PCR LAB:

HOW TO RUN A FLUXERGY PCR



1. Collect and prepare your sample

Conveniently prepare your sample for laboratory testing with a sample-type specific buffer that stabilizes DNA and RNA nucleic acids

Products

- Fluxergy Prep Nasopharyngeal Swab
- Fluxergy Prep Fecal Swab
- Fluxergy Prep Environmental Swab
- Fluxergy Prep Whole Blood/Plasma



2. Mix your prepared sample with PCR Master Mix and dispense into Fluxergy Card.

Fluxergy PCR Master Mixes contain primers and probe sets specific to microbial genes. Just add prepared sample and conduct your own PCRs for various microbes. The Fluxergy PCR Master Mix is lyophilized for room-temperature stability and long term storage.

Products

- *Streptococcus equi* subsp. *equi* PCR Master Mix*
- Equine Herpesvirus 4 PCR Master Mix*
- Equine Herpesvirus 1 PCR Master Mix
- Rhinitis A Virus PCR Master Mix
- Rhinitis B Virus PCR Master Mix
- *Salmonella* spp. PCR Master Mix
- *Clostridium difficile* Toxin A PCR Master Mix
- *Clostridium difficile* Toxin B PCR Master Mix
- *Neorickettsia risticii* PCR Master Mix
- Equine Coronavirus PCR Master Mix

*See Case Study



3. Insert the Fluxergy Card into the Fluxergy Analyzer and get results in 45 minutes.

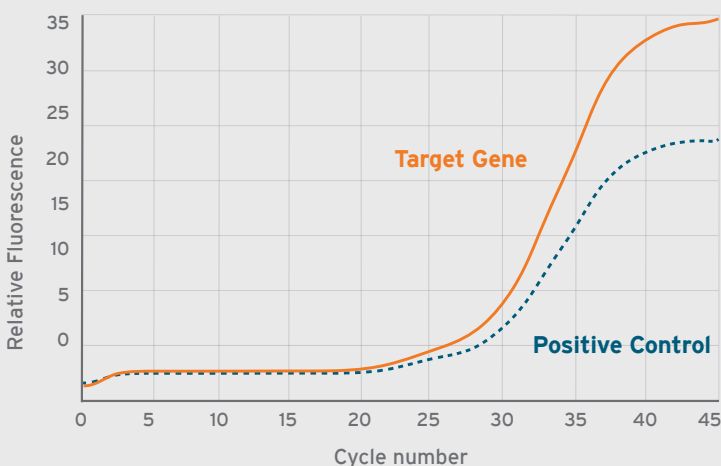
The Fluxergy single-use PCR Cards have 6 individual reaction zones for the PCR to take place. In singleplex PCR Cards, all reaction zones are used to detect a single target.

AUTOMATICALLY INTERPRETED RESULTS

FROM FLUXERGY WORKS

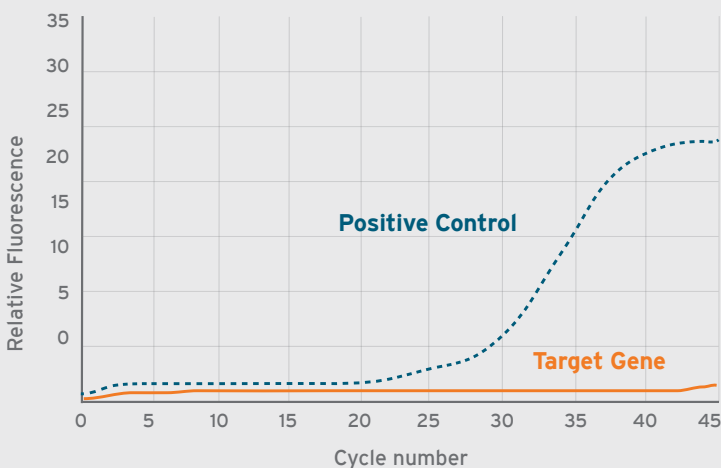
The Fluxergy Works software will output a qualitative positive, negative, or indeterminate result from your PCR test. This is determined by internal algorithms that look for amplification/presence of the target gene (solid line) and an internal control target (dashed line). The internal control target monitors sample integrity and system functionality. If an indeterminate result occurs, it is recommended that you retest your sample.

In a real-time PCR assay, a positive detection of target nucleic acid is confirmed by accumulation of a fluorescent signal after the specific target DNA is amplified.



Result: Positive

Both the target gene and positive control are amplified.



Result: Negative

Only the positive control target was amplified.

*The Fluxergy Analyzer is for Research Use Only (RUO) and is not for use in diagnostic procedures. The Fluxergy Analyzer is not yet cleared by the USDA for in vitro diagnostic use. None of these statements have been endorsed by the USDA.