



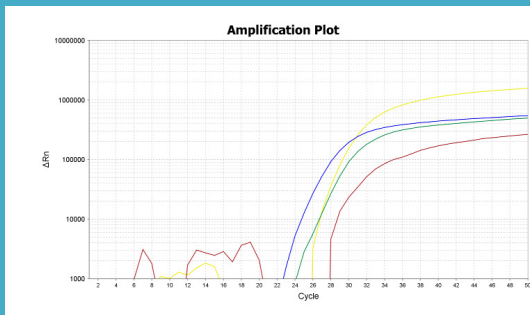
PolySkope 1.0 uses a single, overnight enrichment to individually or simultaneously detect all of the most common foodborne pathogens: Shiga Toxin E. coli (STEC), Salmonella spp., and Listeria monocytogenes. The assay is modular & flexible, allowing selection of pathogens based up to the last minute with a single, simplified protocol.

Minimal Equipment & Materials Required

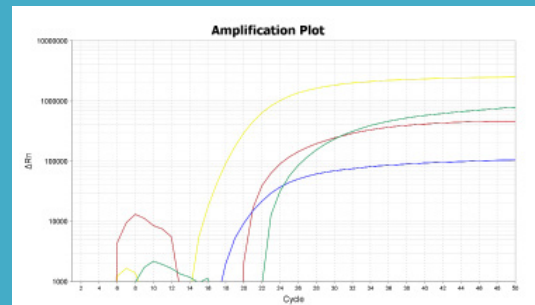
1. 10 μ L & 100 μ L single channel micro-pipettors (12-channel multi-pipettors recommended)
2. Stomacher, ThermoMixer w/96 well block, 5 Color RT-PCR Instrument,
3. 96 well deep-well blocks & PCR plates, plate covers, stomacher bags, pipette tips.

Simple & Easy Method Protocol

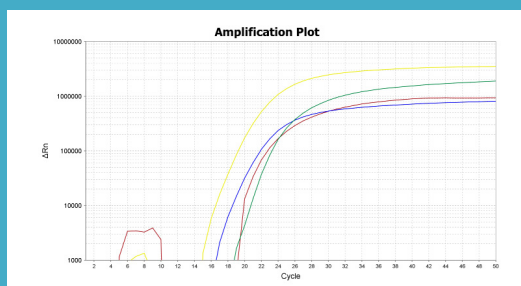
1. 225 mL PolySkope Universal Enrichment media + 25g food sample in sterile stomacher bag
2. Stomach for 30 seconds, enrich 22 ± 2 hrs @ 37° C.
3. PolySkope Lysis (30 mins)
4. PolySkope RT-PCR Multiplex Assay (1.5 hrs) -> Results



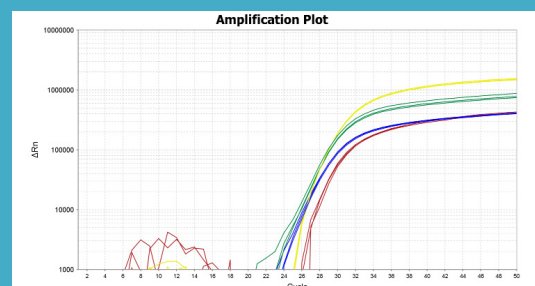
Raw Beef



Whole Milk



Deli Turkey



DNA Limited Dilution

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POLYSKOPE
L A B S

1 Media
1 Protocol
3 Pathogens

Single, Overnight Enrichment:

- Same bag enrichment for Shiga Toxin E. coli, Salmonella spp., Listeria mono.
- Single, overnight (22 hours) enrichment @37 °C for all pathogens
- Detect any or all major pathogens from 1 Enrichment Bag

One Sample Prep & Assay Protocol:

- Single template prep and PCR run
- Detect 1, 2 or 3 pathogens individually or simultaneously
- Modular format for ultimate testing flexibility

Reduce:

- Technician labor; processing, prep and run time
- Enrichment media, reagents, disposables & equipment
- Lab, storage and incubator space

applied biosystems
by Thermo Fisher Scientific



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Remote Data Access & Storage:

- Remote analysis & monitoring of runs with any device via browser
- Secure sharing & transfer of run data
- Secure local & cloud based data storage via Thermo Fisher Cloud

Easy QC & Regulatory compliance:

- Lockable protocol templates
- In-run QC checks
- Easy traceability with consumables tracking

Easy QC & Regulatory compliance:

- Up to 6 target multiplexing via optimized optical channels
- 96 or 384 well plates
- Easy automation for high-throughput facilities

