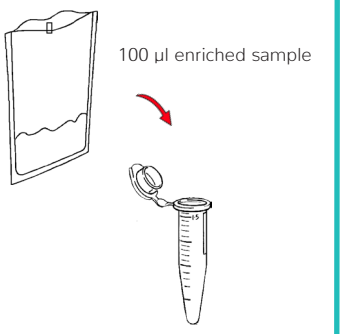
BioChek Salmonella Spp DNA Test Kit MP104
Protocol for Primary Production Samples

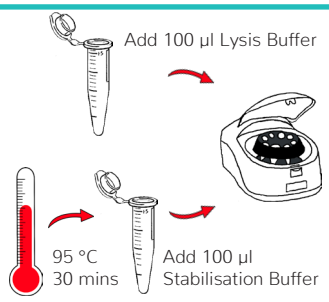
Quick Guide



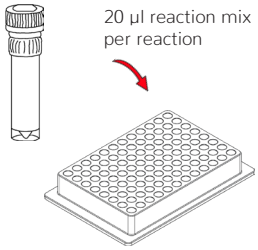
- Enrich 25 g sample in 225 ml buffered peptone water (BPW), 16 - 20 hrs at 37 °C
- Collect 100 µl of enriched sample & transfer to 1.5 ml (q)PCR-grade microtube

OR

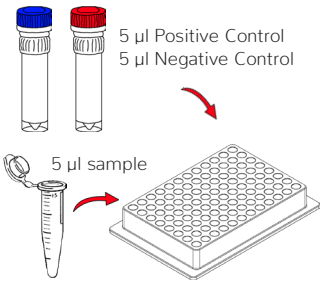
- Enrich 25 g sample in 225 ml BPW, 16 - 20 hrs at 37 °C
- Subculture in MKTTn broth (1 ml of BPW + 10 ml MKTTn), 24 ± 3 hrs at 41.5 °C
- Collect 100 µl of subcultured sample & transfer to 1.5 ml (q)PCR-grade microtube



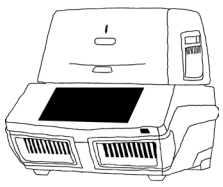
- Add 100 µl of Lysis Buffer A Extraction Reagent (BP900/910) to sample
- Vortex sample at high speed to mix well & spin down briefly
- Place tube in heat block at 95 °C for 30 minutes
- Cool samples to room temperature, add 100 µl of Stabilisation Buffer (BP900/910)
- Vortex sample at high speed to mix well & spin down briefly



- Prepare PCR reaction mix (Mastermix + PP/IC: see Calculation Guide)
- Distribute PCR reaction mix (20 µl per reaction) in PCR microplate



- Add 5 µl Positive Control and 5 µl Negative Control
- Add 5 µl Sample (DNA extract) to PCR microplate
- Cover microplate with heat resistent optical seal
- Check there are no bubbles (spin plate when required)



- Set up thermocycler software and create plate layout
- Place plate in thermocycler
- Start the PCR run using specified thermal cycler program

Please read the test kit insert and thermocycler user guide for detailed instructions.
Strict adherence to test protocol will lead to achieving the best results.

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