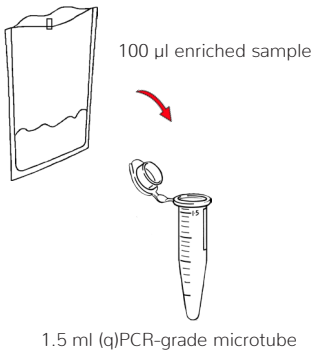
BioChek Salmonella spp DNA Test – Salmonella qPCR Reagents

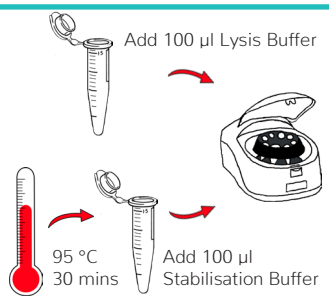
NPIP Protocol for House Environmental Samples, Cloacal Swabs, and Hatchery Samples

Quick Guide

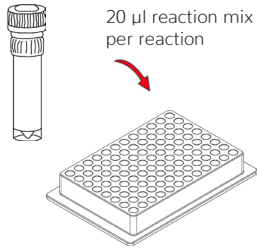
BP900, BP300, MP304, MP404



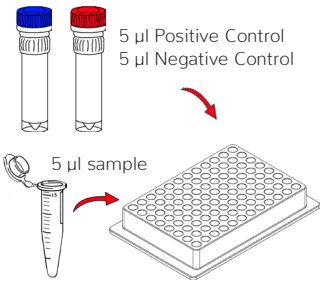
- Enrich sample in Tetrathionate (TT) broth; 1:10 ratio, 20-24 hrs at 37 °C or 41.5 °C
- Collect 100 µl of enriched sample & transfer to 1.5 ml (q)PCR-grade microtube



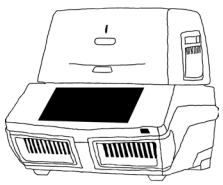
- Add 100 µl of Lysis Buffer A Extraction Reagent (BP900) to sample
- Vortex sample at high speed to mix well & spin down briefly
- Place tube in heat block at 95 °C for 30 minutes
- Cool samples to room temperature, add 100 µl of Stabilisation Buffer (BP900)
- Vortex sample at high speed to mix well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



- Prepare PCR reaction mix:
  Mastermix (BP300) + PP/IC (MP304): see Calculation Guide
- Distribute PCR reaction mix (20 µl per reaction) in PCR microplate



- Add 5 µl Positive Control and 5 µl Negative Control (MP404)
- 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
- Analyse curves in thermocycler software
- Use the BioChek II software to validate results & create report(s)

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

support@biochek.com | +31 (0)182 582 592 | www.biochek.com

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