Absolute Mag™ Anti-Salmonella CSA-1 Magnetic Particles

PROTOCOL

MATERIALS REQUIRED BUT NOT PROVIDED

- Wash Buffer: 0.5 g BSA, 50 µL Tween 20 in 100 mL Buffered Peptone Water
- Magnetic Separator
- Sterile 1.5 mL Microfuge Tubes
- 1 mL Pipette and Sterile Tips
- 20 µL – 200 µL Pipette and Sterile Tips
- Lab Rotator

SUGGESTED PROTOCOL

PLEASE NOTE: Working with pathogenic bacteria requires that certain safety measures be followed. Please follow all required aseptic techniques, as well as good laboratory practice. Endeavor to avoid aerosol formation, and perform necessary work in a biosafety cabinet. All contaminated materials should be autoclaved or disinfected prior to disposal. Follow all pertinent regulations.

Prior to use: perform enrichment steps according to established protocols.

1. After enrichment, homogenize the sample as recommended (e.g. – stomacher). Allow sample to settle for 2 – 5 minutes.
2. Resuspend magnetic beads by inverting several times or vortexing.
3. Pipette 1 mL of homogenized culture into a sterile microfuge tube, taking care to avoid any debris remaining in the sample.
4. Add 20 µL of magnetic beads to the sample. Incubate while rotating for 15 minutes.
5. Place the tube in a magnetic separator for 3 minutes.
6. Carefully remove the supernatant from the tube and discard.
7. Add 1 mL of wash buffer.
8. Remove from separator and invert several times.
9. Repeat steps 5-8 four additional times, for a total of five washes.
10. The beads binding bacteria are now ready for plating or other protocols.

Total protocol time is approximately 45 minutes.