The methods described in this guidebook are for use by the FSIS laboratories. FSIS does not specifically endorse any of the mentioned test products and acknowledges that equivalent products may be available for laboratory use. Method validation is necessary to demonstrate the equivalence of alternative tests as detailed in the document titled “FSIS Guidance for Evaluating Test Kit Performance” available on the FSIS website.
**FSIS Laboratory Specific Flow Chart for *Campylobacter jejuni/coli/lari* Enrichment Analysis**

**PRIMARY ENRICHMENT**

Day 1

- Poultry Rinse or Sponge or Raw Poultry Product Samples + Enrichment Broth
  
  *(Sample receipt temperature of 0 – 15°C is required)*

  Transfer 30 mL of poultry rinse or 30 mL of raw poultry product diluted 1:4 in BPW + 30 mL of 2X BF-BEB\(^1\) to a vented culture flask and mix well.
  
  Add 25 mL of 2X BF-BEB to carcass sponge sample containing 25 mL of BPW\(^2\) and mix well.
  
  Incubate for 48 ± 2hrs @ 42 ± 1°C in a sealed container applying desired microaerobic conditions.

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**SELECTIVE ISOLATION MEDIA**

Day 2

- Perform BAX\(^6\) Real-Time *Campylobacter jejuni/coli/lari* PCR Screen Test

  
  \((-)\) Report as Negative

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**READING RESULTS**

Day 3

- Ensure Campy-Cefex plates are sufficiently dry prior to use.
  
  Streak sample to Campy-Cefex plate for isolation.
  
  Place Petri dish into a sealed container.
  
  Apply the desired microaerobic conditions and seal the container.
  
  Incubate for 48 ± 2hrs @ 42 ± 1°C.

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Day 5

- Pick up to 3 well isolated colonies representing each colony type typical for *Campylobacter*.

  Conduct **microscopic** examination for corkscrew morphology and darting motility of the culture.

  Perform **latex agglutination**.

  \((-)\)

  \((+)\)

**CONFIRMATORY ANALYSIS**

- **CONFIRMED NEGATIVE**
  
  Reported Internally

- **CONFIRMED POSITIVE**
  
  Reported Internally

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1 2X BF-BEB = Double strength blood free Bolton enrichment broth and supplements

2 BPW = Buffered Peptone Water

3 SBA = Tryptic soy agar with 5% sheep blood agar (SBA)

4 FSIS FSLs = Food Safety Inspection Service Field Service Laboratories

This chart represents the best case scenario. Analysis may take longer due to normal analytical circumstance such as re-streaking isolates for purity.