**GNR Stool Pathogens Lactose Negative Flowchart**

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This chart is for lactose negative or H2S positive microorganisms: Aeromonas, Salmonella, Shigella,
Vibrio, and Yersinia. Rare pathogenic E. coli may be
lactose negative. They will produce gas in a TSI. Use
other ID methods.

NSF = normal stool flora
r/o = rule out

1 = Hafnia spp. can key out as Salmonella and can agglutinate with Shigella or Salmonella antisera, but it is
VP positive at 25oC

\* = See Biochemical Tests for Gram Negative Organism

ID Job aid for positive and negative result reference.