

# Virtual Laboratory Report

Student: Student 001  
Course: Lab Section 001

Session: Lab #04  
Professor: Instructor 002

## Identification Information

Assigned Unknown: *Yersinia kristensenii*  
Identified Unknown: *Yersinia kristensenii*  
Gram Reaction and Morphology: Gram Negative Rods

## Test Detail (Chronological Order)

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- 1 Hydrogen sulfide (TSIA) {-}
- Observations: None recorded
- Eliminated {9}: *Edwardsiella tarda*, *Proteus mirabilis*, *Proteus vulgaris*, *Salmonella bongori*, *Salmonella cholerasuis* ssp *arizonae*, *Salmonella cholerasuis* ssp *houtenae*, *Salmonella cholerasuis* ssp *salamae*, *Salmonella enteritidis*, *Salmonella typhi*
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- 2 Gas from glucose {-}
- Observations: None recorded
- Eliminated {32}: *Buttiauxella agrestis*, *Cedecea lapagei*, *Cedecea neteri*, *Citrobacter amalonaticus*, *Citrobacter amalonaticus* biogroup 1, *Citrobacter freundii*, *Citrobacter koseri*, *Enterobacter aerogenes*, *Enterobacter amnigenus* biogroup 1, *Enterobacter amnigenus* biogroup 2, *Enterobacter cancerogenus*, *Enterobacter cloacae*, *Enterobacter gergoviae*, *Enterobacter intermedius*, *Enterobacter sakazakii*, *Escherichia blattae*, *Escherichia coli*, *Escherichia fergusonii*, *Escherichia hermannii*, *Escherichia vulneris*, *Hafnia alvei*, *Klebsiella ornithinolytica*, *Klebsiella oxytoca*, *Klebsiella pneumoniae* ssp *pneumoniae*, *Kluyvera ascorbata*, *Leclercia adecarboxylata*, *Morganella morganii* ssp *morganii*, *Morganella morganii* ssp *sibonii*, *Proteus myxofaciens*, *Rahnella aquatilis*, *Salmonella cholerasuis* ssp *cholerasuis*, *Salmonella paratyphi* A
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- 3 Acid from glucose {+}
- Observations: None recorded
- Eliminated {0}:
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- 4 Adonitol fermentation {-}
- Observations: None recorded
- Eliminated {8}: *Klebsiella pneumoniae* ssp *ozaenae*, *Klebsiella pneumoniae* ssp *rhinoscleromatis*, *Klebsiella terrigena*, *Mollerella wisconsinensis*, *Providencia alcalifaciens*, *Providencia rettgeri*, *Serratia fonticola*, *Serratia rubidaea*
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- 5 Arabitol fermentation {-}
- Observations: None recorded
- Eliminated {4}: *Cedecea davisae*, *Ewingella americana*, *Serratia ficaria*, *Yersinia frederiksenii*
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- 6 Maltose fermentation {+}
- Observations: None recorded
- Eliminated {3}: *Providencia rustigianii*, *Providencia stuartii*, *Tatumella ptyseos*
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## Test Detail (Chronological Order)

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7 Xylose fermentation {-}

Observations: None recorded

Eliminated {6}: *Proteus penneri*, *Serratia odorifera* biogroup 1, *Serratia plymuthica*, *Serratia proteamaculans*, *Yersinia pestis*, *Yersinia pseudotuberculosis*

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8 Ornithine decarboxylase {+}

Observations: Yellow @ 24 hrs. Purple @ 48 hrs.

Eliminated {2}: *Shigella dysenteriae*, *Shigella flexneri*

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9 Sucrose fermentation {-}

Observations: None recorded

Eliminated {4}: *Edwardsiella hoshinae*, *Edwardsiella tarda* biogroup 1, *Serratia marcescens*, *Yersinia enterocolitica*

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10 Mannitol fermentation {+}

Observations: None recorded

Eliminated {1}: *Edwardsiella ictaluri*

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11 Mannose fermentation {+}

Observations: None recorded

Eliminated {1}: *Shigella sonnei*

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Number of Tests Recorded: 11

Number of Media Disposed: 9

Remaining Microbes {1}: *Yersinia kristensenii*

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