

NEW ANALYST UNKNOWN PROFICIENCY TEST

Analyst Name: Joe Doe

Analyst Signature: _____

Enzyme substrate tests

Method 9223B (Colilert, Colilert 18, Colisure), Readycult, Modified Colitag, E*Colite

| Date | Media | Sample /ID Number | Total Coliform | E.coli | Comments |
|---------|-------------|-------------------|----------------|----------|----------|
| 10/3/16 | Colilert 18 | #1 | Positive | Positive | |
| 10/3/16 | Colilert 18 | #2 | Positive | Negative | |
| 10/3/16 | Colilert 18 | #3 | Negative | Negative | |

Method 9222 B (Total Coliform), Method 9222G (E.coli)

| Date | Media | Sample /ID Number | Total Coliform | E.coli | Comments |
|---------|--------|-------------------|----------------|----------|----------|
| 10/3/16 | M-Endo | #8 | Negative | Negative | |
| 10/3/16 | M-Endo | #9 | Positive | Negative | |

Method 9222 D (Fecal Coliform)

| Date | Media | Sample /ID Number | Fecal Coliform Colonies | Comments |
|---------|-------|-------------------|-------------------------|----------|
| 10/3/16 | M-FC | #5 | 27 | |
| 10/3/16 | M-FC | #6 | 0 | |

Colilert Quanti-Tray Method 9223B

| Date | Media | Sample /ID Number | # Total Coliform positive wells | # E. coli positive wells | Comments |
|---------|-------------|-------------------|---------------------------------|--------------------------|----------|
| 10/3/16 | Colilert 24 | #12 | 50 | 0 | |
| 10/3/16 | Colilert 24 | #13 | 51 | 51 | |

Method 9215 B (HPC) or Simplate

| Date | Media | Sample /ID Number | # of pos wells or colonies | # of pos wells or colonies | Avg. |
|---------|-------|-------------------|----------------------------|----------------------------|------|
| 10/3/16 | HPC | #15 | 78 | 81 | 80 |
| 10/3/16 | HPC | #17 | 0 | 0 | 0 |

Other Methods : MTF

| Date | Media | Sample /ID Number | Total Coliform or # colonies | E.coli or # colonies | Comments |
|---------|-------|-------------------|------------------------------|----------------------|---------------|
| 10/3/16 | MTF | #20 | 0 | 0 | 10 tubes used |
| 10/3/16 | MTF | #21 | 12 | 0 | 10 tubes used |

Negative and positive known controls analyzed for each new analyst and method for certification.

For enzyme substrate tests; test samples for color/fluorescence, color/no fluorescence, no color change.

Quantitative results must be within 10% of supervisor's results.

For Quanti-tray and Simplate: 10% is based on number of positive wells, not the MPN from the chart.

KEY TO NEW ANALYST PROFICIENCY TEST

Supervisor name: _____

Supervisor signature: _____

Enzyme substrate test

Method 9223B (Colilert, Colilert 18, Colisure), ReadyCult, Modified Colitag, E*Colite

| Date | Media | Sample /ID Number | Total Coliform | E.coli | Organism Used |
|---------|-------------|-------------------|----------------|----------|---------------|
| 10/3/16 | Colilert 18 | #1 | Positive | Positive | E.coli |
| 10/3/16 | Colilert 18 | #2 | Positive | Negative | Klebsiella |
| 10/3/16 | Colilert 18 | #3 | Negative | Negative | Pseudomonas |

Method 9222 B (Total Coliform), Method 9222G (E.coli)

| Date | Media | Sample /ID Number | Total Coliform | E.coli | Organism Used |
|---------|--------|-------------------|----------------|----------|-----------------------|
| 10/3/16 | M-Endo | #8 | Negative | Negative | Staphylococcus aureus |
| 10/3/16 | M-Endo | #9 | Positive | Positive | E.coli |

Method 9222 D (Fecal Coliform)

| Date | Media | Sample /ID Number | Fecal Coliform Colonies | Organism Used |
|---------|-------|-------------------|-------------------------|-----------------------|
| 10/3/16 | M-FC | #5 | 25 | E.coli |
| 10/3/16 | M-FC | #6 | 0 | Staphylococcus aureus |

Colilert Quanti-Tray Method 9223B

| Date | Media | Sample /ID Number | # Total Coliform positive wells | # E. coli positive wells | Organism Used |
|---------|-------------|-------------------|---------------------------------|--------------------------|---------------|
| 10/3/16 | Colilert 24 | #12 | 48 | 0 | Klebsiella |
| 10/3/16 | Colilert 24 | #13 | 51 | 51 | E.coli |

Method 9215 B (HPC) or Simplate

| Date | Media | Sample /ID Number | wells or colonies | wells or colonies | Avg. | Organism Used |
|---------|-------|-------------------|-------------------|-------------------|------|-------------------|
| 10/3/16 | HPC | #15 | 80 | 84 | 82 | E.coli |
| 10/3/16 | HPC | #17 | 0 | 0 | 0 | Uninoculated agar |

Other Methods : MTF

| Date | Media | Sample /ID Number | Total Coliform or # colonies | E.coli or # colonies | Organism Used |
|---------|-------|-------------------|------------------------------|----------------------|------------------------|
| 10/3/16 | MTF | #20 | 0 | 0 | Proteus mirabilis |
| 10/3/16 | MTF | #21 | 12 | 0 | Enterobacter aerogenes |

Identify organism in sample and expected result.

Record number of colonies for quantitative results.