Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoelle.dls
Record Number: 9342
Date and Time: Thursday, August 10, 2017 9:49:49 AM
Dispersant Name: Water
Dispersant Rt: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 130.0
Cell Description: Zeta dip cell

Mean (mV) Ares (%) Width (mV)
Zeta Potential (mV): -38.4 Peak 1: -35.4 83.9 5.84
Zeta Deviation (mV): 9.43 Peak 2: -55.9 18.1 5.02
Conductivity (mS/cm): 0.313 Peak 3: 0.00 0.0 0.00

Result quality: Good

Zeta Potential Distribution

![Zeta Potential Distribution Graph]

Record 9340: Bacteria 1  Record 9341: Bacteria 2  Record 9342: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: PLA-BUSE_Hoelle dns
Dispersant Name: Water
Record Number: 9345
Dispersant RI: 1.330
Date and Time: Thursday, August 10, 2017 10:12:22 AM
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Zeta Runs: 5
Count Rate (kcps): 90.1
Measurement Position (mm): 4.50
Cell Description: Zeta dip cell
Attenuator: 8

Mean (mV) | Area (%) | Width (mV)
---|---|---
Zeta Potential (mV): -6.08 Peak 1: -6.08 100.0 7.47
Zeta Deviation (mV): 7.47 Peak 2: 0.00 0.0 0.00
Conductivity (mS/cm): 1.91 Peak 3: 0.00 0.0 0.00

Result quality: Good

Zeta Potential Distribution

Record 9343: Bacteria 1  Record 9344: Bacteria 2  Record 9345: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA_BUSE_Hoele.dts
Record Number: 9348
Date and Time: Thursday, August 10, 2017 10:15:14 AM
Dispersant Name: Water
Dispersant RT: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 24.9
Count Rate (kcps): 218.0
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Runs: 5

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Peak 1: -7.03 | 100.0 | 7.75
Peak 2: 0.00 | 0.0 | 0.00
Peak 3: 0.00 | 0.0 | 0.00

Result quality: Good

Zeta Potential Distribution

---

Page 3 of 69
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoeile.dta
Record Number: 9351
Date and Time: Thursday, August 10, 2017 10:17:51 AM
Dispersant Name: Water
Dispersant RI: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>25.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kcps)</td>
<td>77.0</td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Zeta Runs</td>
<td>5</td>
</tr>
<tr>
<td>Measurement Position (mm)</td>
<td>4.50</td>
</tr>
<tr>
<td>Attenuator</td>
<td>8</td>
</tr>
</tbody>
</table>

Mean (mV) | Area (%) | Width (mV)
---|---|---
Zeta Potential (mV): -7.30 | Peak 1: -7.30 | 100.0 | 7.07
Zeta Deviation (mV): 7.07 | Peak 2: 0.00 | 0.0 | 0.00
Conductivity (mS/cm): 1.94 | Peak 3: 0.00 | 0.0 | 0.00

Result quality: Good

![Zeta Potential Distribution](image-url)
<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
<th>SOP Name: Bacteria sop</th>
<th>File Name: FLA-BUSE_Hoelle.dts</th>
<th>Dispersant Name: Water</th>
<th>Dispersant RI: 1.330</th>
<th>Dispersant Dielectric Constant: 78.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record Number: 9354</td>
<td>Date and Time: Thursday, August 10, 2017 10:20:35 AM</td>
<td>Viscosity (cP): 0.6872</td>
<td>Temperature (°C): 24.9</td>
<td>Zeta Runs: 5</td>
<td>Measurement Position (mm): 4.60</td>
</tr>
<tr>
<td>Count Rate (kcps): 187.5</td>
<td>Cell Description: Zeta cell clip</td>
<td>Attenuator: 9</td>
<td>Conductivity (mS/cm): 1.97</td>
<td>Mean (mV): Zeta Potential (mV): -6.87</td>
<td>Width (mV): 6.51</td>
</tr>
</tbody>
</table>

**Result Quality:** Good
<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
<th>SOP Name: Bacteria sop</th>
</tr>
</thead>
<tbody>
<tr>
<td>File Name: FLA-BUSE_Houle.dts</td>
<td>Dispersant Name: Water</td>
</tr>
<tr>
<td>Record Number: 9357</td>
<td>Dispersant R#: 1.330</td>
</tr>
<tr>
<td>Date and Time: Thursday August 10, 2017 10:23:17 AM</td>
<td>Viscosity (cP): 0.8872</td>
</tr>
<tr>
<td>Dispersant Dielectric Constant: 79.5</td>
<td></td>
</tr>
</tbody>
</table>

**Temperature (°C):** 25.0  
**Count Rate (kcps):** 308.3  
**Cell Description:** Zeta dip cell 
**Measurement Position (mm):** 4.50  
**Attenuator:** 9  

**Zeta Runs:** 5  
**Zeta Potential (mV):** -7.50  
**Zeta Deviation (mV):** 7.57  
**Conductivity (mS/cm):** 2.00

**Peak:**  
Peak 1: -7.50  
Peak 2: 0.00  
Peak 3: 0.00

**Result quality:** Good
Sample Name: Bactena 3
SOP Name: Bactena.sop
File Name: FLA_BUSE_Hoelle.csv
Dispersant Name: Water
Record Number: 9360
Date and Time: Thursday, August 10, 2017 10:25:56 AM
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 79.5

Temperature (°C): 26.0
Count Rate (kcps): 84.7
Cell Description: Zeta dip cell
Zeta Runs: 5
Measurement Position (mm): 4.50
Attenuator: 2

Mean (mV)  Area (%)  Width (mV)
Zeta Potential (mV): -7.19  Peak 1: -7.19  100.0  6.62
Zeta Deviation (mV): 6.62  Peak 2: 0.00  0.0  0.0
Conductivity (mS/cm): 2.01  Peak 3: 0.00  0.0  0.0

Result quality: Good

Zeta Potential Distribution

- Record 9358: Bactena 1
- Record 9359: Bactena 2
- Record 9360: Bactena 3
<table>
<thead>
<tr>
<th>Sample Name:</th>
<th>Bacteria 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOI Name:</td>
<td>Bacteria sop</td>
</tr>
<tr>
<td>File Name:</td>
<td>FLA-BUSE_Hoelle.dts</td>
</tr>
<tr>
<td>Record Number:</td>
<td>9363</td>
</tr>
<tr>
<td>Date and Time:</td>
<td>Thursday, August 10, 2017 10:25:45 AM</td>
</tr>
<tr>
<td>Dispersant Name:</td>
<td>Water</td>
</tr>
<tr>
<td>Dispersant Rr:</td>
<td>1.330</td>
</tr>
<tr>
<td>Dispersant Dielectric Constant:</td>
<td>78.5</td>
</tr>
<tr>
<td>Temperature (°C):</td>
<td>25.0</td>
</tr>
<tr>
<td>Count Rate (kcps):</td>
<td>72.6</td>
</tr>
<tr>
<td>Cell Description:</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Zeta Runs:</td>
<td>8</td>
</tr>
<tr>
<td>Measurement Position (mm):</td>
<td>4.50</td>
</tr>
<tr>
<td>Attenuator:</td>
<td>0</td>
</tr>
</tbody>
</table>

| Zeta Potential (mV): | -15.2 |
| Zeta Deviation (mV): | 9.50 |
| Conductivity (mScm): | 1.02 |

<table>
<thead>
<tr>
<th>Peak</th>
<th>Area (%)</th>
<th>Width (mV)</th>
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<tbody>
<tr>
<td>1</td>
<td>100.0</td>
<td>9.50</td>
</tr>
<tr>
<td>2</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>3</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Result quality: Good

![Zeta Potential Distribution](image_url)
Sample Name: Bacteria 3
SOP Name: Bacteria.acc
FileName: FLA-BUSE_Hoelie.cts
Dispersant Name: Water
Record Number: 9366
Dispersant RI: 1.330
Date and Time: Thursday, August 10, 2017 10:23:38 AM
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
<th>Zeta Runs</th>
<th>Measurement Position (mm)</th>
<th>Attenuator</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0</td>
<td>572.0</td>
<td>Zeta dip cell</td>
<td>5</td>
<td>4.50</td>
<td>10</td>
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</table>

**Zeta Potential Distribution**

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-5.20</td>
<td>100.0</td>
<td>7.61</td>
</tr>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Result quality:** Good
### Sample Name: Bacteria 3

<table>
<thead>
<tr>
<th></th>
<th>Bacteria 1</th>
<th>Bacteria 2</th>
<th>Bacteria 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Thursday, August 10, 2017 10:32:17 AM</td>
<td>Thursday, August 10, 2017 10:33:59 AM</td>
<td>Thursday, August 10, 2017 10:34:21 AM</td>
</tr>
<tr>
<td>Zeta Potential (mV)</td>
<td>-5.42</td>
<td>7.35</td>
<td>6.42</td>
</tr>
<tr>
<td>Zeta Deviation (mV)</td>
<td>8.12</td>
<td>5.780</td>
<td>5.870</td>
</tr>
<tr>
<td>Conductivity (mS/cm)</td>
<td>2.11</td>
<td>3.502</td>
<td>3.503</td>
</tr>
</tbody>
</table>

**SOP Name:** Bacteria_sop  
**File Name:** FLA-BUSE_Hoolle.xls  
**Record Number:** 9369  
**Date and Time:** Thursday, August 10, 2017 10:34:21 AM  
**Dispensant Name:** Water  
**Dispensant Re:** 1.330  
**Viscosity (cP):** 0.8872  
**Dispensat Dielectric Constant:** 78.5

**Temperature (**°C**):** 25.0  
**Count Rate (kcps):** 760.1  
**Measurement Position (mm):** 4.50  
**Attenuator:** 10

**Mean (mV):**  
- Zeta Potential: -5.42  
- Peak 1: -5.42  
- Peak 2: 0.00  
- Peak 3: 0.00

**Width (mV):**  
- Peak 1: 8.12  
- Peak 2: 0.00  
- Peak 3: 0.00

**Result quality:** Good

![Zeta Potential Distribution](image_url)
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA_BUSE_Hoeila.dte
Record Number: 9372
Date and Time: Thursday, August 10, 2017 10:37:24 AM
Dispersant Name: Water
Dispersant RT: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 167.0
Cell Description: Zeta dip cell
Zeta Runs: 5
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Potential (mV): -5.26
Zeta Deviation (mV): 6.04
Conductivity (mS/cm): 2.11

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Peak 1: -5.26 | 100.0 | 6.04
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good

Zeta Potential Distribution

- Record 9370: Bacteria 1
- Record 9371: Bacteria 2
- Record 9372: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSE_Hoelle.dts
Dispersant Name: Water
Record Number: 9375
Dispersant R#: 1330
Date and Time: Thursday August 10, 2017 10:40:24 AM
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.6

Temperature (°C): 25.0
Count Rate (kcps): 251.7
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50

Zeta Potential (mV): -5.60
Zeta Deviation (mV): 5.61
Conductivity (mS/cm): 2.12

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -6.69 100.0 5.61
Peak 2: 0.00 0.0 0.0
Peak 3: 0.00 0.0 0.0

Result quality: Good
Sample Name: Bacteria 3

SOP Name: Bacteria sop

File Name: FLA_BUSE_Hoelle.dts

Dispersant Name: Water

Record Number: 9378

Dispersant RI: 1.330

Date and Time: Thursday, August 10, 2017 10:43:02 AM

Viscosity (CP): 0.8872

Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0

Count Rate (kcps): 612.1

Measurement Position (mm): 4.50

Cell Description: Zeta dip cell

Attenuator: 10

Zeta Runs: 9

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
-7.20 | 100.0 | 9.41
0.00 | 0.00 | 0.00
0.00 | 0.00 | 0.00

Result quality: Good

Zeta Potential Distribution

Record 9376, Bacteria 1
Record 9377, Bacteria 2
Record 9378, Bacteria 3
<table>
<thead>
<tr>
<th>Zeta</th>
<th>Bacteria 1</th>
<th>Date and Time</th>
<th>Temperature (°C)</th>
<th>Viscosity (cP)</th>
<th>Dispersant Dielectric Constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>3972</td>
<td>Thursday, August 10, 2017 10:44:06 AM</td>
<td>25.0</td>
<td>-8.80</td>
<td>1.97</td>
<td>78.5</td>
</tr>
<tr>
<td>3380</td>
<td>Thursday, August 10, 2017 10:45:45 AM</td>
<td>25.0</td>
<td>-7.77</td>
<td>2.94</td>
<td>78.5</td>
</tr>
<tr>
<td>3381</td>
<td>Thursday, August 10, 2017 10:46:36 AM</td>
<td>25.0</td>
<td>-7.19</td>
<td>2.96</td>
<td>78.5</td>
</tr>
</tbody>
</table>

Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA_BUSE_Hoelle.xls
Record Number: 3381
Dispersant Name: Water
Dispersant Ratio: 1.330
Viscosity (cP): 0.8872
Cell Description: Zeta dip cell
Attenuator: 8

<table>
<thead>
<tr>
<th>Zeta Potential (mV):</th>
<th>-7.19</th>
<th>Mean (mV):</th>
<th>Peak 1:</th>
<th>100.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Deviation (mV):</td>
<td>7.53</td>
<td>Width (mV):</td>
<td>7.53</td>
<td></td>
</tr>
<tr>
<td>Conductivity (mS/cm):</td>
<td>2.06</td>
<td>Peak 2:</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Peak 3:</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

Result quality: Good
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSE_Hoella.xls
Record Number: 9384
Date and Time: Thursday, August 10, 2017 10:49:30 AM
Dispersant Name: Water
Dispersant RI: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 111.7
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Zeta Runs: 5
Attenuator: 0

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -8.14 | 100.0 | 9.23
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Zeta Potential (mV): -8.14
Zeta Deviation (mV): 9.23
Conductivity (mS/cm): 2.13

Result quality: Good
### Sample Name: Bacteria 3

**SOP Name:** Bacteria sop

- **File Name:** FLA- BUSE_Hoelle.dls
- **Dispersant Name:** Water
- **Record Number:** 9387
- **Dispersant Rs:** 1.330
- **Date and Time:** Thursday, August 10, 2017 10:52:07 AM
- **Viscosity (cP):** 0.8872
- **Dispersant Dielectric Constant:** 78.5

### Temperature (°C): 25.0
- **Count Rate (kcps):** 149.3
- **Cell Description:** Zeta dip cell
- **Zeta Runs:** 12
- **Measurement Position (mm):** 4.50
- **Attenuator:** 9

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-7.18</td>
<td>100.0</td>
<td>7.71</td>
</tr>
<tr>
<td>7.71</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Conductivity (mS/cm):** 2.12

**Peak 1:** -7.18

**Peak 2:** 0.00

**Peak 3:** 0.00

**Result quality:** Good

### Zeta Potential Distribution

![Zeta Potential Distribution Graph](image-url)

- **Red** - Record 9385: Bacteria 1
- **Green** - Record 9385: Bacteria 2
- **Blue** - Record 9387: Bacteria 3
**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria.sop  
**File Name:** FLA-BUSE,HoeLett  
**Record Number:** 0390  
**Date and Time:** Thursday, August 10, 2017 10:55:21 AM  
**Dispersant Name:** Water  
**Dispersant RI:** 1.330  
**Viscosity (cP):** 0.8872  
**Dispersant Dielectric Constant:** 78.5

- **Temperature (°C):** 25.0  
- **Count Rate (kcps):** 179.1  
- **Zeta Runs:** 5  
- **Measurement Position (mm):** 4.50  
- **Cell Description:** Zeta dip cell  
- **Attenuator:** 9

**Zeta Potential (mV):** -5.40  
**Zeta Deviation (mV):** 7.89  
**Conductivity (mS/cm):** 2.05

**Mean (mV):**  
**Area (%):**  
**Width (mV):**

- Peak 1: -6.40  
- Peak 2: 0.00  
- Peak 3: 0.00

**Result quality:** Good
### Zeta Potential Results

**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria sop  
**File Name:** FLA-BUSE_Hoelle.dls  
**Dispersant Name:** Water  
**Record Number:** 9393  
**Date and Time:** Thursday, August 10, 2017 11:01:38 AM  
**Dispersant Dielectric Constant:** 78.5

- **Temperature (°C):** 25.0
- **Count Rate (kcps):** 178.4
- **Zeta Runs:** 5
- **Measurement Position (mm):** 4.50
- **Attenuator:** 9

**Zeta Potential (mV):** -8.88  
**Zeta Deviation (mV):** 7.54  
**Conductivity (mS/cm):** 2.13

**Mean (mV)** | **Area (%)** | **Width (mV)**
---|---|---
Peak 1: -8.88 | 100.0 | 7.54
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

**Result quality:** Good

---

**Zeta Potential Distribution**

- **Record 9391:** Bacteria 1  
- **Record 9392:** Bacteria 2  
- **Record 9393:** Bacteria 3
<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP Name: Bacteria sop</td>
</tr>
<tr>
<td>File Name: FLA-BUSE_Hoelle.dts</td>
</tr>
<tr>
<td>Record Number: 9396</td>
</tr>
<tr>
<td>Date and Time: Thursday, August 10, 2017 11:04:19 AM</td>
</tr>
<tr>
<td>Dispersant Name: Water</td>
</tr>
<tr>
<td>Dispersant RT: 1.330</td>
</tr>
<tr>
<td>Viscosity (CP): 0.8872</td>
</tr>
<tr>
<td>Dispersant Dielectric Constant: 78.5</td>
</tr>
</tbody>
</table>

| Temperature (°C): 25.0 |
| Count Rate (kcps): 399.9 |
| Cell Description: Zeta dip cell |
| Measurement Position (mm): 4.50 |
| Attenuator: 10 |

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV): -9.62</td>
<td>Peak 1: -9.62</td>
<td>100.0</td>
</tr>
<tr>
<td>Zeta Deviation (mV): 7.42</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Conductivity (mS/cm): 2.14</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Result quality: Good

Zeta Potential Distribution

- Red: Record 9394: Bacteria 1
- Green: Record 9395: Bacteria 2
- Blue: Record 9396: Bacteria 3
Sample Name: Bacteria 3  
SOP Name: Bacteria.sop  
File Name: FLA_BLUSE_Hoelle.cts  
Record Number: 9397  
Date and Time: Thursday, August 10, 2017 11:07 AM  
Dispersant Name: Water  
Dispersant R#: 1.330  
Dispersant Dielectric Constant: 78.5  
Viscosity (CP): 0.8872

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
<th>Zeta Runs</th>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria 1</td>
<td>25.0</td>
<td>299.4</td>
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<td>5</td>
<td>-9.25</td>
<td>100.0</td>
<td>9.10</td>
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<td>Bacteria 2</td>
<td>-10.0</td>
<td>-0.78/9</td>
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<td></td>
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<td></td>
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<tr>
<td>Bacteria 3</td>
<td>-9.31</td>
<td>-0.75/7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bacteria 4</td>
<td>-9.26</td>
<td>-0.64/22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Result quality: Good

Zeta Potential Distribution

![Zeta Potential Distribution Graph](image-url)
### Sample Name: Bacteria 3
### SOP Name: Bacteria_sop
### File Name: FLA- BUSE_Hoelle ds
### Dispersant Name: Water
### Record Number: 9402
### Date and Time: Thursday, August 10, 2017 11:10:15 AM
### Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Zeta Potential (mV)</th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Zeta Runs</th>
<th>Measurement Position (mm)</th>
<th>Attenuator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria 1</td>
<td>-12.7</td>
<td>25.0</td>
<td>78.5</td>
<td>7</td>
<td>4.50</td>
<td></td>
</tr>
<tr>
<td>Bacteria 2</td>
<td>8.99</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bacteria 3</td>
<td>2.22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Result quality:** Good

---

**Zeta Potential Distribution**

- **Record 9402: Bacteria 1**
- **Record 9401: Bacteria 2**
- **Record 9402: Bacteria 3**

---

**Table:**

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak 1:</td>
<td>-12.7</td>
<td>100.0</td>
</tr>
<tr>
<td>Peak 2:</td>
<td>0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Peak 3:</td>
<td>0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>
### Sample Information

**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria.sop  
**File Name:** FLA-BUSE_Hoelle.cts  
**Dispersant Name:** Water  
**Record Number:** 9405  
**Date and Time:** Thursday, August 10, 2017 11:12:59 AM  
**Disp. Rate:** 1.330  
**Viscosity (cP):** 0.8872  
**Disp. Dielectric Constant:** 78.5

### Temperature

- **Temperature (°C):** 25.0

### Count Rate

- **Count Rate (kcps):** 237.3

### Cell Description

- **Cell Description:** Zeta dip cell

### Measurement Position

- **Measurement Position (mm):** 4.50

### Mean (mV)

- **Mean (mV):** -12.2

### Area (%)

- **Peak 1:** -12.2  
- **Peak 2:** 0.00  
- **Peak 3:** 0.00

### Width (mV)

- **Peak 1:** 100.0  
- **Peak 2:** 7.11  
- **Peak 3:** 0.00

### Result Quality

- **Result Quality:** Good

### Zeta Potential Distribution

![Zeta Potential Distribution](image-url)

Legend:
- **Red:** Record 9403, Bacteria 1  
- **Green:** Record 9404, Bacteria 2  
- **Blue:** Record 9405, Bacteria 3
### Sample Name: Bacteria 3

**SOP Name:** Bacteria sop  
**File Name:** FLA-BUSE_Hoelle.dts  
**Dispersant Name:** Water  
**Record Number:** 9406  
**Dispersant RB:** 1.330  
**Date and Time:** Thursday, August 10, 2017 11:15:39 AM  
**Viscosity (cP):** 0.8872  
**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0</td>
<td>825.4</td>
<td>Zeta dip cell</td>
<td>-18.9</td>
<td>100.0</td>
<td>6.12</td>
</tr>
</tbody>
</table>

**Zeta Potential (mV):** -18.9  
**Zeta Deviation (mV):** 6.12  
**Conductivity (mS/cm):** 2.10  

**Peak 1:** -18.9  
**Peak 2:** 0.00  
**Peak 3:** 0.00

**Result quality:** Good

---

**Zeta Potential Distribution**

- **Record 9406. Bacteria 1**
- **Record 9407. Bacteria 2**
- **Record 9408. Bacteria 3**
### Sample Name: Bacteria 3
### SOP Name: Bacteria sop
### File Name: FLA-BUSE_Hoelle_dis
### Dispersant Name: Water
### Record Number: 9438
### Date and Time: Thursday, August 10, 2017 1:35:27 PM
### Viscosity (cP): 0.8872
### Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Date and Time</th>
<th>Zeta Value</th>
<th>Conductivity (mS/cm)</th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, August 10</td>
<td>-18.1</td>
<td>2.48</td>
<td>25.0</td>
<td>150.0</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Thursday, August 10</td>
<td>-18.3</td>
<td>2.54</td>
<td>25.0</td>
<td>150.0</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Thursday, August 10</td>
<td>-18.7</td>
<td>2.56</td>
<td>25.0</td>
<td>150.0</td>
<td>Zeta dip cell</td>
</tr>
</tbody>
</table>

**Mean (mV)** | **Area (%)** | **Width (mV)**
---|---|---
Zeta Potential (mV): -18.7 | Peak 1: -18.7 | 100.0 | 0.36
Zeta Deviation (mV): 9.35 | Peak 2: 0.00 | 0.0 | 0.00
Conductivity (mS/cm): 2.56 | Peak 3: 0.00 | 0.0 | 0.00

**Result quality**: Good

![Zeta Potential Distribution](image)
Sample Name: Bacteria 3
SOP Name: Bacteria sop

File Name: FLA BUSE_Hoolle.dls
Record Number: 9441
Date and Time: Thursday, August 10, 2017 1:38:16 PM

Dispersant Name: Water
Dispersant Ref: 1.330
Viscosity (cP): 0.8672
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 139.7
Cell Description: Zeta dip cell
Zeta Runs: 5
Measurement Position (mm): 4.50
Attenuator: 9

Mean (mV) Area (%) Width (mV)
Zeta Potential (mV): -18.8 Peak 1: -18.8 100.0 9.56
Zeta Deviation (mV): 9.66 Peak 2: 0.00 0.0 0.00
Conductivity (mS/cm): 2.58 Peak 3: 0.00 0.0 0.00

Result quality: Good
<table>
<thead>
<tr>
<th>Sample Name:</th>
<th>Bacteria 3</th>
<th>SOP Name:</th>
<th>Bacteria sop</th>
<th>File Name:</th>
<th>FLA-BUSE_Hoefle.dts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record Number:</td>
<td>9442</td>
<td>Dispersant Name:</td>
<td>Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date and Time:</td>
<td>Thursday, August 10, 2017 1:40:52 PM</td>
<td>Dispersant Rt:</td>
<td>1.320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dispersant Dielectric Constant:</td>
<td>78.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Temperature (°C): 25.0
- Count Rate (kcps): 704.4
- Cell Description: Zeta dip cell
- Zeta Runs: 6
- Measurement Position (mm): 4.50
- Attenuator: 10

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-18.2</td>
<td>Peak 1: -18.2</td>
<td>100.0</td>
<td>7.00</td>
</tr>
<tr>
<td>7.00</td>
<td>Peak 2: 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>2.58</td>
<td>Peak 3: 0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Result quality:** Good
### Sample Information

- **Sample Name:** Bacteria 3
- **SOP Name:** Bacteria sop
- **File Name:** FLA-BUSE_Hoelle.ds
- **Dispersant Name:** Water
- **Record Number:** 9411
- **Date and Time:** Thursday, August 10, 2017 11:18:42 AM
- **Dispersant Property:** Viscosity (cP): 0.8872
- **Dispersant Dielectric Constant:** 78.5

### Measurement Details

- **Temperature (°C):** 26.0
- **Count Rate (kcps):** 404.7
- **Cell Description:** Zeta dip cell
- **Zeta Runs:** 5
- **Measurement Position (mm):** 4.50
- **Attenuator:** 10

### Zeta Potential Results

- **Zeta Potential (mV):** -21.4
- **Zeta Deviation (mV):** 9.26
- **Conductivity (mS/cm):** 3.17

### Result Quality

- **Result quality:** Good

### Graph

- **Zeta Potential Distribution**

![Zeta Potential Distribution Graph](image)
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoelle.dts
Dispensant Name: Water
Dispensant Rt: 1.330
Dispensant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 154.6
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Runs: 5

Mean (mV) | Area (%) | Width (mV)
---|---|---
Zeta Potential (mV): -24.5
Peak 1: -24.5 100.0 7.66
Zeta Deviation (mV): 7.65
Peak 2: 0.0 0.0 0.0
Conductivity (mS/cm): 3.25
Peak 3: 0.0 0.0 0.0

Result quality: Good
**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria scp  
**File Name:** FLA-BUSE_Hoelle.dt  
**Dispersant Name:** Water  
**Record Number:** 9417  
**Dispersant RI:** 1.330  
**Date and Time:** Thursday, August 10, 2017 11:23:55 AM  
**Viscosity (cP):** 0.8872  
**Dispensant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>25.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kcps)</td>
<td>554.2</td>
</tr>
</tbody>
</table>

**Cell Description:** Zeta dip cell

### Zeta Potential Distribution

**Zeta Potential (mV):** -21.3  
**Zeta Deviation (mV):** 8.95  
**Conductivity (mS/cm):** 3.39

- **Mean (mV):** -21.3  
- **Area (%):** 100.0  
- **Width (mV):** 8.95  
- **Peak 1:** -21.3  
- **Peak 2:** 0.00  
- **Peak 3:** 0.00  
- **Peak 1 Area (%):** 100.0  
- **Peak 2 Area (%):** 0.0  
- **Peak 3 Area (%):** 0.0

**Result quality:** Good
Sample Name: Bacteria 3  
SOP Name: Bacteria sop

File Name: FLA-BUSE_Hoyle.dts  
Record Number: 9420

Date and Time: Thursday, August 10, 2017 1:18:48 PM

Dispersant Name: Water  
Dispersant Rt: 1.330

Viscosity (CP): 0.8872

Dispersant Dielectric Constant: 78.5

Temperature (°C): 24.9
Count Rate (Kcps): 194.1
Cell Description: Zeta dip cell

Zeta Runs: 5  
Measurement Position (mm): 4.50
Attenuator: 0

Mean (mV)  |  Area (%)  |  Width (mV)
---|---|---
Zeta Potential (mV): -6.95  |  Peak 1: -5.95  | 100.0  | 7.75
Zeta Deviation (mV): 7.75  |  Peak 2: 0.00  | 0.0  | 0.0
Conductivity (mS/cm): 1.97  |  Peak 3: 0.00  | 0.0  | 0.0

Result quality: Good
**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria_sop  
**File Name:** FLA-BUSE_Hoeille.xls  
**Dispersant Name:** Water  
**Record Number:** 9423  
**Dispersant RI:** 1.330  
**Date and Time:** Thursday, August 10, 2017 1:23:23 PM  
**Viscosity (cP):** 0.8872  
**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>25.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kcps)</td>
<td>187.8</td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta clip cell</td>
</tr>
<tr>
<td>Zeta Runs</td>
<td>5</td>
</tr>
<tr>
<td>Measurement Position (mm)</td>
<td>4.50</td>
</tr>
<tr>
<td>Attenuator</td>
<td>9</td>
</tr>
</tbody>
</table>

**Mean (mV) | Area (%) | Width (mV)**

- **Zeta Potential (mV):** -6.94  
- **Zeta Deviation (mV):** 5.63  
- **Conductivity (mS/cm):** 1.98

**Result quality:** Good

**Zeta Potential Distribution**

- **Record 9421:** Bacteria 1  
- **Record 9422:** Bacteria 2  
- **Record 9423:** Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSE_Hoelle db
Record Number: 9426
Date and Time: Thursday, August 10, 2017 1:24:00 PM
Dispersant Name: Water
Dispersant RI: 1.330
Dispersant Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 26.0
Count Rate (kcps): 377.8
Cell Description: Zeta dip cell
Zeta Runs: 5
Measurement Position (mm): 4.50
Attenuator: 10

Zeta Potential (mV): -5.78
Zeta Deviation (mV): 8.22
Conductivity (mS/cm): 1.99

Mean (mV)   Area (%)   Width (mV)
Peak 1: -6.45  100.0  8.22
Peak 2: 0.00   0.0   0.0
Peak 3: 0.00   0.0   0.0

Result Quality: Good

Zeta Potential Distribution

-200 -100   0    100   200
Zeta Potential (mV)

Total Counts

-250000 -200000 -150000 -100000 -50000  50000  100000  150000  200000

Record 9424: Bacteria 1  Record 9425: Bacteria 2  Record 9426: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.scp
File Name: FLA_BUSE_Hoelle.dts
Dispersant Name: Water
Dispersion Name: 1.330
Date and Time: Thursday, August 10, 2017 1:27:16 PM
Viscosity (cP): 0.0372
Dispersion Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 51.9
Cell Description: Zeta dip cell
Zeta Runs: 6
Measurement Position (mm): 4.50
Attenuator: 8

Mean (mV) Area (%) Width (mV)
Zeta Potential (mV): -6.50 Peak 1: -6.50 100.0 7.44
Zeta Deviation (mV): 7.44 Peak 2: 0.00 0.0 0.00
Conductivity (mS/cm): 1.95 Peak 3: 0.00 0.0 0.00

Result quality: Good

Zeta Potential Distribution

Total Counts

Zeta Potential (mV)

Record 9427: Bacteria 1
Record 9429: Bacteria 2
Record 9429: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSEHoelle.txt
Dispersant Name: Water
Record Number: 9432
Dispersant Rb: 1.330
Date and Time: Thursday, August 10, 2017 1:29:58 PM
Viscosity (cP): 0.8972
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 190.1
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Runs: 9

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -7.09 | 100.0 | 7.50
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good

Zeta Potential Distribution

[Graph showing Zeta Potential Distribution]
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSE_Hoele_dts
Record Number: 9435
Date and Time: Thursday, August 10, 2017 1:32:45 PM
Dispensant Name: Water
Dispensant Ref: 1.330
Dispensant Dielectric Constant: 78.5
Viscosity (cP): 0.8872

Temperature (°C): 25.0
Count Rate (kcps): 160.2
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9
Zeta Runs: 6

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -7.80 | 100.0 | 7.02
Peak 2: 0.00 | 0.0 | 0.00
Peak 3: 0.00 | 0.0 | 0.00

Result quality: Good
Sample Name: Bacteria 3
SOP Name: Bacteria.scp
File Name: FLA_BUSE_Hoelle.dts
Dispansant Name: Water
Record Number: 9447
Date and Time: Thursday, August 10, 2017 1:46:59 PM
Viscosity (cP): 0.8872
Dispansant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 188.8
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Zeta Potential (mV): -6.41 | Peak 1: -6.41 | 100.0 | 7.16
Zeta Deviation (mV): 7.15 | Peak 2: 0.00 | 0.0 | 0.00
Conductivity (mS/cm): 2.02 | Peak 3: 0.00 | 0.0 | 0.00

Result quality: Good

Zeta Potential Distribution

Total Counts

Zeta Potential (mV)
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoelle.xls
Record Number: 9450
Dispersant Name: Water
Date and Time: Thursday, August 10, 2017 1:45:42 PM
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 84.5
Cell Description: Zeta dip cell
Zeta Runs: 5
Measurement Position (mm): 4.50
Attenuator: 9

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -7.87 | 100.0 | 8.88
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoelle.dls
Record Number: 9453
Date and Time: Thursday, August 10, 2017 1:49:33 PM
Dispersant Name: Water
Dispersant ID: 1.330
Viscosity (cP): 0.872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 641.5
Cell Description: Zeta dip cell
Zeta Runs: 6
Measurement Position (mm): 4.50
Attenuator: 10

Mean (mV) Area (%) Width (mV)
Zeta Potential (mV): -7.01 Peak 1: -7.01 100.0 8.44
Zeta Deviation (mV): 8.44 Peak 2: 0.00 0.00
Conductivity (mS/cm): 2.04 Peak 3: 0.00 0.00

Result quality: Good

Zeta Potential Distribution

Record 9451: Bacteria 1 — Record 9452: Bacteria 2 — Record 9453: Bacteria 3
### Sample Information

- **Sample Name:** Bacteria 3
- **SOP Name:** Bacteria sop
- **File Name:** FLA+BUSE_Hoelle.dts

### Experimental Details

- **Record Number:** 9456
- **Date and Time:** Thursday, August 10, 2017 1:52:19 PM

### Experimental Conditions

- **Temperature (°C):** 25.0
- **Count Rate (kcps):** 158.8
- **Cell Description:** Zeta dip cell

### Zeta Potential Data

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-6.38</td>
<td>100.0</td>
<td>8.27</td>
</tr>
<tr>
<td>8.27</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>2.08</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Result quality:** Good

### Graph

- **Zeta Potential Distribution**
  - Red: Record 9454: Bacteria 1
  - Green: Record 9455: Bacteria 2
  - Blue: Record 9456: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-iUSE_Hoelle.dts
Record Number: 9459
Date and Time: Thursday, August 10, 2017 1:55:14 PM

Temperature (°C): 25.0
Count Rate (kcps): 133.6
Cell Description: Zeta dip cell

Zeta Potential (mV): -8.45
Zeta Deviation (mV): 7.19
Conductivity (mS/cm): 2.09

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Peak 1: -8.45 | 100.0 | 7.19
Peak 2: 0.00 | 0.00 | 0.00
Peak 3: 0.00 | 0.00 | 0.00

Dispersant Name: Water
Dispersant RI: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5
Zeta Runs: 6
Measurement Position (mm): 4.50
Attenuator: 9

Result quality: Good

Zeta Potential Distribution

Record 9457: Bacteria 1
Record 9458: Bacteria 2
Record 9459: Bacteria 3
### Zeta Potential Distribution

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>SOP Name</th>
<th>File Name</th>
<th>Dispersant Name</th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
<th>Zeta Runs</th>
<th>Measurement Position (mm)</th>
<th>Zeta Potential (mV)</th>
<th>Zeta Deviation (mV)</th>
<th>Conductivity (mS/cm)</th>
<th>Width (mV)</th>
<th>Peak 1 (%)</th>
<th>Peak 2 (%)</th>
<th>Peak 3 (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria 1</td>
<td>Bacteria</td>
<td>FLA_BUSE_Holecsts</td>
<td>Water</td>
<td>25.0</td>
<td>163.6</td>
<td>Zeta dip cell</td>
<td>5</td>
<td>4.50</td>
<td>-8.15</td>
<td>8.65</td>
<td>2.09</td>
<td>8.66</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Bacteria 2</td>
<td>Bacteria</td>
<td>FLA_BUSE_Holeccts</td>
<td>Water</td>
<td>25.0</td>
<td>163.6</td>
<td>Zeta dip cell</td>
<td>5</td>
<td>4.50</td>
<td>-8.15</td>
<td>8.65</td>
<td>2.09</td>
<td>8.66</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Bacteria 3</td>
<td>Bacteria</td>
<td>FLA_BUSE_Holeccts</td>
<td>Water</td>
<td>25.0</td>
<td>163.6</td>
<td>Zeta dip cell</td>
<td>5</td>
<td>4.50</td>
<td>-8.15</td>
<td>8.65</td>
<td>2.09</td>
<td>8.66</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Result quality: Good
### Sample Name: Bacteria 3
**SOP Name:** Bacteria sop
**File Name:** FLA-BUSE_Hoelle.dta
**Dispersant Name:** Water
**Record Number:** 9465
**Dispersant RI:** 1.330
**Date and Time:** Thursday, August 10, 2017 2:00:37 PM
**Viscosity (cP):** 0.8872
**Velp Dispens Rate:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Zeta Runs: 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0</td>
<td>Measurement Position (mm): 4.50</td>
</tr>
<tr>
<td>Count Rate (kcps): 574.2</td>
<td></td>
</tr>
<tr>
<td>Cell Description: Zeta dip cell</td>
<td></td>
</tr>
<tr>
<td>Attenuator: 10</td>
<td></td>
</tr>
</tbody>
</table>

### Zeta Potential (mV)
- **Mean (mV):** -6.59
- **Zeta Deviation (mV):** 7.55
- **Conductivity (mS/cm):** 2.12

#### Result quality: Good

### Zeta Potential Distribution

![Zeta Potential Distribution Graph]

- **Record 9465, Bacteria 1**
- **Record 9464, Bacteria 2**
- **Record 9465, Bacteria 3**

Page 42 of 69
### Sample Name: Bacteria 3

**SOP Name:** Bacteria.sop  
**File Name:** FLA-BUSE_Hoelle.cls  
**Record Number:** 0468  
**Date and Time:** Thursday, August 10, 2017 2:03:18 PM

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Zeta Potential (mV)</th>
<th>Zeta Deviation (mV)</th>
<th>Conductivity (mS/cm)</th>
<th>Viscosity (cP)</th>
<th>Dispersant Dielectric Constant</th>
<th>Dispersant Rb</th>
<th>Dispersant Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0</td>
<td>223.1</td>
<td>-8.01</td>
<td>0.85</td>
<td>2.12</td>
<td>0.8872</td>
<td>78.5</td>
<td>1.330</td>
<td>Water</td>
</tr>
</tbody>
</table>

**Mean (mV) | Area (%) | Width (mV)**
---|---|---
Peak 1: -8.01 | 100.0 | 6.85
Peak 2: 0.00 | 0.0 | 0.00
Peak 3: 0.00 | 0.0 | 0.00

**Result quality:** Good
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
File Name: FLA-BUSE_Hoolie.cls
Record Number: 9471
Date and Time: Thursday, August 10, 2017 2:06:10 PM
Dispansant Name: Water
Dispansant RR: 1.330
Viscosity (cP): 0.8872
Dispansant Dielectic Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 145.9
Cell Description: Zeta dip cell
Zeta Runs: 7
Measurement Position (mm): 4.50
Attenuator: 0

Mean (mV) | Area (%) | Width (mV)
---|---|---
Zeta Potential (mV): -8.38 | Peak 1: -8.38 | 100.00 | 6.14
Zeta Deviation (mV): 6.14 | Peak 2: 0.00 | 0.00 | 0.00
Conductivity (mS/cm): 2.13 | Peak 3: 0.00 | 0.00 | 0.00

Result quality: Good
Sample Name: Bacteria 3
SOP Name: Bacteria.sop
FileName: FLA-BUSE-Hoelle.xls
Record Number: 0474
Date and Time: Thursday, August 10, 2017 2:11:25 PM

Sample Name: Bacteria 3
SOP Name: Bacteria.sop
FileName: FLA-BUSE-Hoelle.xls
Record Number: 0474
Date and Time: Thursday, August 10, 2017 2:11:25 PM

Temperature (°C): 25.0
Count Rate (kcps): 121.6
Cell Description: Zeta dip cell
Mean (mV) Area (%) Width (mV)
Zeta Potential (mV): -9.19 Peak 1: -9.19 100.0 7.02
Zeta Deviation (mV): 7.02 Peak 2: 0.00 0.0 0.0
Conductivity (mS/cm): 2.15 Peak 3: 0.00 0.0 0.0
Result quality: Good
<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Bacteria 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP Name</td>
<td>Bacteria sop</td>
</tr>
<tr>
<td>File Name</td>
<td>FLA_BUSE_Hoe1_e.dts</td>
</tr>
<tr>
<td>Record Number</td>
<td>9477</td>
</tr>
<tr>
<td>Date and Time</td>
<td>Thursday, August 10, 2017 2:14:15 PM</td>
</tr>
<tr>
<td>Dispersant Name</td>
<td>Water</td>
</tr>
<tr>
<td>Dispersant ID</td>
<td>1.330</td>
</tr>
<tr>
<td>Viscosity (cP)</td>
<td>0.8872</td>
</tr>
<tr>
<td>Dispersant Dielectric Constant</td>
<td>78.5</td>
</tr>
</tbody>
</table>

| Temperature (°C) | 25.0 |
| Count Rate (kcps) | 103.1 |
| Cell Description | Zeta dip cell |

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV)</td>
<td>-8.57</td>
<td>Peak 1: 0.00</td>
</tr>
<tr>
<td>Zeta Deviation (mV)</td>
<td>7.30</td>
<td>Peak 2: 0.00</td>
</tr>
<tr>
<td>Conductivity (mScm)</td>
<td>2.14</td>
<td>Peak 3: 0.00</td>
</tr>
</tbody>
</table>

Result quality: Good

Zeta Potential Distribution

- Record 9475: Bacteria 1
- Record 9476: Bacteria 2
- Record 9477: Bacteria 3
Sample Name: Bacteria 3  
SOP Name: Bacteria_sop  
File Name: FLA-BUSE_Hoelle.xls  
Record Number: 9460  
Date and Time: Thursday, August 10, 2017 2:17:21 PM

**Temperature (°C):** 25.0  
**Count Rate (kcps):** 225.3  
**Cell Description:** Zeta dip cell  
**Measurement Position (mm):** 4.50

**Zeta Range:** 9  
**Dispersant Name:** Water  
**Dispersant RI:** 1.330  
**Viscosity (cP):** 0.8872  
**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Zeta Range</th>
<th>Dispersant Name</th>
<th>Dispersant RI</th>
<th>Dispersant Dielectric Constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria 1</td>
<td>25.0</td>
<td>225.3</td>
<td>9</td>
<td>Water</td>
<td>1.330</td>
<td>78.5</td>
</tr>
<tr>
<td>Bacteria 2</td>
<td>25.0</td>
<td>225.3</td>
<td>9</td>
<td>Water</td>
<td>1.330</td>
<td>78.5</td>
</tr>
<tr>
<td>Bacteria 3</td>
<td>25.0</td>
<td>225.3</td>
<td>9</td>
<td>Water</td>
<td>1.330</td>
<td>78.5</td>
</tr>
</tbody>
</table>

**Mean (mV):**  
- **Zeta Potential (mV):** -7.54  
- **Zeta Deviation (mV):** 7.04  
- **Conductivity (mS/cm):** 2.16

**Area (%):**  
- **Peak 1:** -7.54 100.0 7.04  
- **Peak 2:** 0.00 0.0 0.00  
- **Peak 3:** 0.00 0.0 0.00

**Width (mV):**  
- **Peak 1:** 7.04  
- **Peak 2:** 0.00  
- **Peak 3:** 0.00

**Result quality:** Good

---

**Zeta Potential Distribution**

- **Record 9478 Bacteria 1**  
- **Record 9479 Bacteria 2**  
- **Record 9460 Bacteria 3**
Sample Name: Bacteria 3  
SOP Name: Bacteria 3  
File Name: FLA-BUSE_Hollie.xls  
Record Number: 9483  
Date and Time: Thursday, August 10, 2017 2:20:23 PM  
Dispersant Name: Water  
Dispersant RI: 1.330  
Viscosity (cP): 0.8872  
Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th></th>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Cell Description</th>
<th>Zeta Potential (mV)</th>
<th>Zeta Deviation (mV)</th>
<th>Conductivity (mScm)</th>
<th>Zeta Runs</th>
<th>Measurement Position (mm)</th>
<th>Attenuator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample</td>
<td>25.0</td>
<td>143.9</td>
<td>Zeta dip cell</td>
<td>-7.32</td>
<td>7.18</td>
<td>2.16</td>
<td>5</td>
<td>4.50</td>
<td>9</td>
</tr>
</tbody>
</table>

Result quality: Good

![Zeta Potential Distribution](image-url)
**Sample Name**: Bacteria 3  
**SOP Name**: Bacteria sop  
**File Name**: FLA-BUSE_Hoelle dts  
**Dispersant Name**: Water  
**Record Number**: 9484  
**Dispersant RR**: 1.330  
**Date and Time**: Thursday, August 10, 2017 2:24:30 PM  
**Viscosity (cP)**: 0.8872  
**Dispersant Dielectric Constant**: 79.5

**Temperature (°C)**: 25.0  
**Count Rate (kcps)**: 136.2  
**Cell Description**: Zeta dip cell  
**Zeta Runs**: 7  
**Measurement Position (mm)**: 4.50  
**Attenuator**: 8

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV): -8.87</td>
<td>Peak 1: -8.87</td>
<td>100.0</td>
</tr>
<tr>
<td>Zeta Deviation (mV): 7.47</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Conductivity (mS/cm): 2.17</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Result quality**: Good

---

**Zeta Potential Distribution**

![Zeta Potential Distribution Graph](chart.png)
**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria scp  
**File Name:** FLA-BUSE_Hoelle.dts  
**Dispersant Name:** Water  
**Record Number:** 9489  
**Date and Time:** Thursday, August 10, 2017 2:27:22 PM  
**Viscosity (cP):** 0.6872  
**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>25.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kcps)</td>
<td>147.5</td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Measurement Position (mm)</td>
<td>4.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV):</td>
<td>Peak 1:</td>
<td>100.0</td>
</tr>
<tr>
<td>-7.89</td>
<td>Peak 2:</td>
<td>0.00</td>
</tr>
<tr>
<td>8.23</td>
<td>Peak 3:</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Conductivity (mS/cm):** 2.18  
**Result quality:** Good

![Zeta Potential Distribution](image-url)
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoeile.dts
Record Number: 9492
Date and Time: Thursday, August 10, 2017 2:30:12 PM
Dispersant Name: Water
Dispersant RI: 1.330
Dispersant Dielectric Constant: 78.5
Viscosity (CP): 0.8872

Temperature (°C): 25.0
Count Rate (Kcps): 146.5
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Peak 1</th>
<th>Peak 2</th>
<th>Peak 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential</td>
<td>-8.79</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Zeta Deviation</td>
<td>10.7</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Conductivity (mS/cm)</td>
<td>2.22</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Result quality: Good
### Sample Name: Bacteria 3

**SOP Name:** Bacteria sop  
**File Name:** FLA-BUSE_Hoelle.dts  
**Record Number:** 9493  
**Date and Time:** Thursday, August 10, 2017 2:33:14 PM  
**Dispersant Name:** Water  
**Dispersant RB:** 1.330  
**Viscosity (cP):** 0.8972  
**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Name</th>
<th>Value</th>
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<tbody>
<tr>
<td>Temperature (°C)</td>
<td>25.0</td>
</tr>
<tr>
<td>Count Rate (kcps)</td>
<td>200.9</td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta dip cell</td>
</tr>
<tr>
<td>Zeta Runs</td>
<td>5</td>
</tr>
<tr>
<td>Measurement Position (mm)</td>
<td>4.50</td>
</tr>
<tr>
<td>Attenuator</td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Peak 1</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-10.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.58</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Result quality:** Good
Sample Name: Bacteria 3  
SOP Name: Bacteria sop  
File Name: FLA_BUSE_Hoelle.dts  
Record Number: 9498  
Date and Time: Thursday August 10, 2017 2:36:17 PM  
Dispersant Name: Water  
Dispensant R#: 1,330  
Viscosity (cP): 0.8872  
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0  
Count Rate (kcps): 237.2  
Cell Description: Zeta dip cell  
Zeta Runs: 8  
Measurement Position (mm): 4.50  
Attenuator: 9

Zeta Potential (mV): -7.98  
Zeta Deviation (mV): 8.28  
Conductivity (mS/cm): 2.23

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -7.98 | 100.0 | 8.28
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good

Zeta Potential Distribution

- Record 9498: Bacteria 1
- Record 9497: Bacteria 2
- Record 9496: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoelle.dst
Record Number: 9501
Date and Time: Thursday, August 10, 2017 2:30:10 PM

Dispersant Name: Water
Dispersant RT: 1.330
Viscosity (cP): 0.872
Dispersant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 181.7
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Runs: 5

Zeta Potential (mV): -7.47
Zeta Deviation (mV): 8.04
Conductivity (mS/cm): 2.26

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -7.47 | 100.0 | 0.04
Peak 2: 0.00 | 0.0 | 0.00
Peak 3: 0.00 | 0.0 | 0.00

Result quality: Good

Zeta Potential Distribution

Record 9499: Bacteria 1
Record 9500: Bacteria 2
Record 9501: Bacteria 3

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Sample Name: Bacteria 3  
SOP Name: Bacteria sop  
File Name: FLA-BUSE_Hoelle.dts  
Dispersant Name: Water  
Record Number: 9504  
Dispersant RB: 1.330  
Date and Time: Thursday August 10, 2017 2:41:45 PM  
Viscosity (cP): 0.8872  
Dispersant Dielectric Constant: 78.2

Temperature (°C): 25.0  
Count Rate (kcps): 108.8  
Measurement Position (mm): 4.50  
Cell Description: Zeta dip cell  
Attenuator: 8

Zeta Potential (mV): -7.95  
Zeta Deviation (mV): 8.95  
Conductivity (mS/cm): 2.25

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Peak 1: -7.95 | 100.0 | 8.95
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good

Zeta Potential Distribution
Sample Name: Bacteria 3
SOP Name: Bacteria.scp
FileName: FLA-BUSE_Hoelle.dts
Dispersant Name: Water
Record Number: 9507
Dispersant Rl: 1.330
Date and Time: Thursday, August 10, 2017 2:44:24 PM
Viscosity (cP): 8.8872
Dispensant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 90.7
Zeta Runs: 6
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 8

Result quality: Good

Zeta Potential Distribution

- Total counts
- Zeta Potential (mV)
- Zeta Potential Distribution

Legend:
- Red: Record 9505: Bacteria 1
- Green: Record 9506: Bacteria 2
- Blue: Record 9507: Bacteria 3
### Sample Name: Bacteria 3

**SOP Name:** Bacteria sop

**File Name:** FLA_BUSE_Hoelle.dts

**Record Number:** 9510

**Date and Time:** Thursday, August 10, 2017 2:47:19 PM

**Dispersant Name:** Water

**Dispersant RI:** 1.330

**Viscosity (CP):** 0.8872

**Dispersant Dielectric Constant:** 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Measurement Position (mm)</th>
<th>Zeta Runs:</th>
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</thead>
<tbody>
<tr>
<td>25.0</td>
<td>178.1</td>
<td>4.50</td>
<td>7</td>
</tr>
</tbody>
</table>

**Cell Description:** Zeta dip cell

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV): -7.45</td>
<td>Peak 1: -7.45</td>
<td>100.0</td>
</tr>
<tr>
<td>Zeta Deviation (mV): 8.67</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Conductivity (mS/cm): 2.30</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Result quality:** Good

---

**Zeta Potential Distribution**

```
Zeta Potential (mV)

-200 -100 0 100 200
```

- **Record 9508: Bacteria 1**
- **Record 9509: Bacteria 2**
- **Record 9510: Bacteria 3**
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_Hoele.dts
Record Number: 9513
Date and Time: Thursday, August 10, 2017 2:50:18 PM
Dispensant Name: Water
Dispensant Rate: 1.330
Dispensant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 104.4
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Mean (mV) | Area (%) | Width (mV)
---|---|---
Peak 1: -6.50 | 100.0 | 8.62
Peak 2: 0.00 | 0.00 | 0.00
Peak 3: 0.00 | 0.00 | 0.00

Result quality: Good
Sample Name: Bacteria 3
SOP Name: Bacteria sop
File Name: FLA-BUSE_H6el.e.dta
Record Number: 9514
Date and Time: Thursday, August 10, 2017 2:52:33 PM

Dispensant Name: Water
Dispensant RB: 1.330
Viscosity (cP): 0.8872
Dispensant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 93.8
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 0

Zeta Potential (mV): -6.37
Zeta Deviation (mV): 0.45
Conductivity (mS/cm): 2.31

Peak 1: -6.37 100.0 6.45
Peak 2: 0.00 0.0 0.00
Peak 3: 0.00 0.0 0.00

Result quality: Good
3.05 A

<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
<th>SOP Name: Bacteria sop</th>
<th>Dispensant Name: Water</th>
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</thead>
<tbody>
<tr>
<td>File Name: FLA-BUSE_Hoelle.dts</td>
<td>Record Number: 9519</td>
<td>Dispersant Rf: 1.330</td>
</tr>
<tr>
<td>Date and Time: Thursday, August 10, 2017 2:56:25 PM</td>
<td>Viscosity (cP): 0.8872</td>
<td>Dispersant Dielectric Constant: 78.5</td>
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</table>

<table>
<thead>
<tr>
<th>Temperature (°C): 25.0</th>
<th>Zeta Runs: 20</th>
<th>Measurement Position (mm): 4.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kcps): 629.2</td>
<td>Cell Description: Zeta dip cell</td>
<td>Alternator: 10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV): -5.12</td>
<td>Peak 1: -5.12</td>
<td>100.0</td>
</tr>
<tr>
<td>Zeta Deviation (mV): 8.56</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Conductivity (m S/cm): 2.41</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Result quality: Good

![Zeta Potential Distribution](image)
### Sample Name: Bacteria 3
### SOP Name: Bacteria sop
### File Name: FLA_BUSE_Hoelle.dts
### Dispersant Name: Water
### Record Number: 9522
### Date and Time: Thursday, August 10, 2017 3:00:24 PM
### Viscosity (cP): 0.8872
### Dispersant Dielectric Constant: 78.5

#### Temperature (°C): 25.0
#### Count Rate (kcps): 214.8
#### Cell Description: Zeta dip cell

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Potential (mV): -5.92</td>
<td>Peak 1: -5.92</td>
<td>100.0</td>
</tr>
<tr>
<td>Zeta Deviation (mV): 7.68</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
</tr>
<tr>
<td>Conductivity (mS/cm): 2.43</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Result quality:** Good

![Zeta Potential Distribution](image-url)
### Sample Name: Bacteria 3

<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP Name: Bacteria sop</td>
</tr>
<tr>
<td>File Name: FLA_BiBSE_Hoelle ds</td>
</tr>
<tr>
<td>Dispersant Name: Water</td>
</tr>
<tr>
<td>Record Number: 9526</td>
</tr>
<tr>
<td>Dispersant K: 1.330</td>
</tr>
<tr>
<td>Date and Time: Thursday, August 10, 2017 3:03:33 PM</td>
</tr>
<tr>
<td>Viscosity (cP): 0.8872</td>
</tr>
<tr>
<td>Dispersant Dielectric Constant: 78.6</td>
</tr>
</tbody>
</table>

| Count Rate (kcps): 64.5 |
| Measurement Position (mm): 4.50 |
| Cell Description: Zeta dip cell |
| Attenuator: 8 |

| Zeta Potential (mV): -5.20 |
| Zeta Deviation (mV): 7.62 |
| Conductivity (mS/cm): 2.43 |

**Mean (mV)** | **Area (%)** | **Width (mV)**
---|---|---
Peak 1: -5.20 | 100.0 | 7.62
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

**Result quality**: Good

### Zeta Potential Distribution

![Zeta Potential Distribution](image)
### Sample Information

**Sample Name:** Bacteria 3  
**SOP Name:** Bacteria.sop  
**Filename:** FLA-BUSE_Hoelle.cls  
**Record Number:** 9528  
**Date and Time:** Thursday, August 10, 2017 3:06:40 PM  
**Dispersant Name:** Water  
**Dispersant RT:** 1.330  
**Viscosity (cP):** 0.6872  
**Dispersant Dielectric Constant:** 78.5

### Temperature and Count Rate

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.0</td>
<td>230.3</td>
</tr>
</tbody>
</table>

### Zeta Runs

- **Zeta Runs:** 0
- **Mean (mV):** -1.65
- **Peak 1:** Area: 100.0, Width: 8.42
- **Peak 2:** Area: 0.0, Width: 0.0
- **Peak 3:** Area: 0.0, Width: 0.0

**Conductivity (mS/cm):** 2.93

**Result quality:** Good

---

**Zeta Potential Distribution**

![Zeta Potential Distribution Graph](image-url)
Sample Name: Bacteria 3
SOP Name: Bacteria.scp
File Name: FLA-EUSE_Hoelle.xls
Dispensant Name: Water
Record Number: 9531
Dispensant R: 1.330
Date and Time: Thursday, August 10, 2017 3:09:50 PM
Viscosity (CP): 0.8872
Dispensant Dielectric Constant: 78.5

Temperature (°C): 25.0
Count Rate (kcps): 205.0
Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

Zeta Potential (mV): -7.95
Zeta Deviation (mV): 11.4
Conductivity (mS/cm): 2.87

Mean (mV) | Area (%) | Width (mV)
--- | --- | ---
Peak 1: -7.95 | 100.0 | 11.4
Peak 2: 0.00 | 0.0 | 0.0
Peak 3: 0.00 | 0.0 | 0.0

Result quality: Good

Zeta Potential Distribution

- Red: Record 9520: Bacteria 1
- Green: Record 9530: Bacteria 2
- Blue: Record 9531: Bacteria 3
Sample Name: Bacteria 3
SOP Name: Bacteria sop
FileName: FLA-BUSE_Hoelle.dts
Record Number: 9534
Date and Time: Thursday, August 10, 2017 3:14:11 PM
Dispersant Name: Water
Dispersant RB: 1.330
Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Count Rate (kcps)</th>
<th>Zeta Runs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0</td>
<td>210.3</td>
<td>12</td>
</tr>
</tbody>
</table>

Cell Description: Zeta dip cell
Measurement Position (mm): 4.50
Attenuator: 9

<table>
<thead>
<tr>
<th>Mean (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-0.911</td>
<td>100.0</td>
<td>7.79</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Peak 1:</th>
<th>Peak 2:</th>
<th>Peak 3:</th>
</tr>
</thead>
<tbody>
<tr>
<td>-0.911</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Result quality: Good

![Zeta Potential Distribution](image)
<table>
<thead>
<tr>
<th>Sample Name: Bacteria 3</th>
<th>SOP Name: Bacteria.sop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filename: FL-A BUSE_Hoelle.dts</td>
<td>Dispersant Name: Water</td>
</tr>
<tr>
<td>Record Number: 9537</td>
<td>Dispersant Rt: 1.330</td>
</tr>
<tr>
<td>Date and Time: Thursday, August 10, 2017 3:17:31 PM</td>
<td>Viscosity (cP): 0.8872</td>
</tr>
<tr>
<td>Temperature (°C): 25.0</td>
<td>Dispersant Dielectric Constant: 78.5</td>
</tr>
<tr>
<td>Count Rate (kcps): 202.5</td>
<td>Zeta Rms: 5</td>
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<tr>
<td>Cell Description: Zeta clip cell</td>
<td>Measurement Position (mm): 4.50</td>
</tr>
<tr>
<td>Attenuator: 10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak 1: -0.747</td>
<td>100.0</td>
<td>8.27</td>
</tr>
<tr>
<td>Peak 2: 0.00</td>
<td>0.0</td>
<td>0.00</td>
</tr>
<tr>
<td>Peak 3: 0.00</td>
<td>0.0</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Result quality: Good
Sample Name: Bacteria 3  
SOP Name: Bacteria sop  
File Name: FLA- BUSE_Hoelle.dta  
Dosage Name: Water  
Record Number: 9540  
Dosage Rate: 1.330  
Date and Time: Thursday, August 10, 2017 3:30:42 PM  
Vicosity (cP): 0.8872  
Dispensant Dielectric Constant: 78.5

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>25.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count Rate (kops)</td>
<td>84.8</td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta dip cell</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>6.01</th>
<th>Peak 1: 0.00</th>
<th>Area (%)</th>
<th>0.0</th>
<th>Width (mV)</th>
<th>0.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zeta Deviation (mV)</td>
<td>0.00</td>
<td>Peak 2: 0.00</td>
<td>0.0</td>
<td>0.00</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Conductivity (mS/cm)</td>
<td>5.21</td>
<td>Peak 3: 0.00</td>
<td>0.0</td>
<td>0.00</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

Result quality: Good

Zeta Potential Distribution

---

Record 9538: Bacteria 1  
Record 9539: Bacteria 2  
Record 9540: Bacteria 3
<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Bacteria 3</th>
<th>SOP Name</th>
<th>Bacteria.sop</th>
<th>Dispensant Name</th>
<th>Water</th>
<th>Dispensant RI</th>
<th>1.330</th>
<th>Viscosity (cP)</th>
<th>0.8872</th>
<th>Dispensant Dielectric Constant</th>
<th>78.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record Number</td>
<td>9543</td>
<td>Date and Time</td>
<td>Thursday, August 10, 2017 3:23:18 PM</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>25.0</td>
<td>Zeta Runs</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Count Rate (kcps)</td>
<td>88.8</td>
<td>Measurement Position (mm)</td>
<td>4.50</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cell Description</td>
<td>Zeta dip cell</td>
<td>Attenuator</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Zeta Potential (mV)</td>
<td>5.98</td>
<td>Peak 1</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zeta Deviation (mV)</td>
<td>0.00</td>
<td>Peak 2</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity (mS/cm)</td>
<td>5.18</td>
<td>Peak 3</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Result quality: Good
<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Bacteria 3</th>
<th>SOP Name</th>
<th>Bacteria sop</th>
<th>File Name</th>
<th>FLA_BUSE_Hoele.dts</th>
<th>Dispersant Name</th>
<th>Water</th>
<th>Dispersion Rate</th>
<th>1.330</th>
<th>Viscosity (cP)</th>
<th>0.3872</th>
<th>Dispersion Dielectric Constant</th>
<th>78.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and Time</td>
<td>Thursday, August 10, 2017 3:25:56 PM</td>
<td>Temperature (°C)</td>
<td>25.0</td>
<td>Count Rate (kcps)</td>
<td>187.4</td>
<td>Cell Description</td>
<td>Zeta clip cell</td>
<td>Zeta Runs</td>
<td>30</td>
<td>Measurement Position (mm)</td>
<td>4.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mean (mV)**

<table>
<thead>
<tr>
<th>Zeta Potential (mV)</th>
<th>Area (%)</th>
<th>Width (mV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.12</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Conductivity (mS/cm):** 5.20

**Result quality:** See result quality report