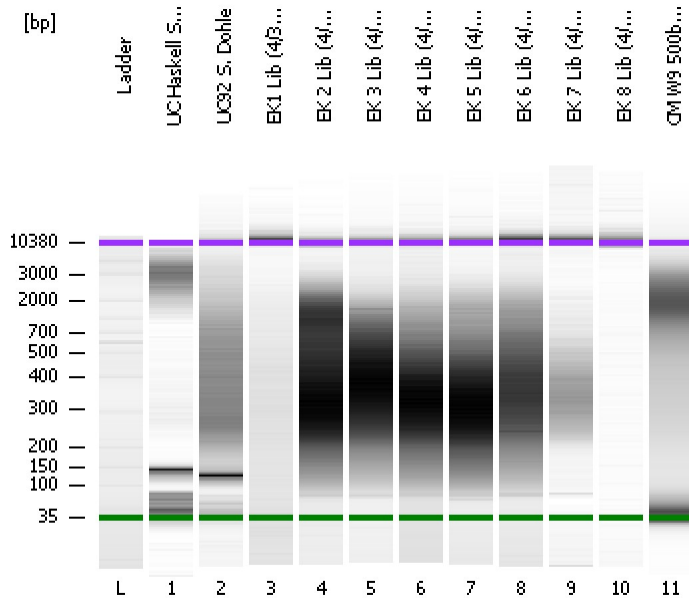


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

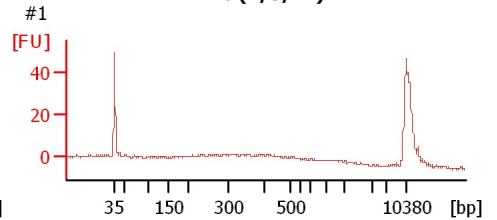
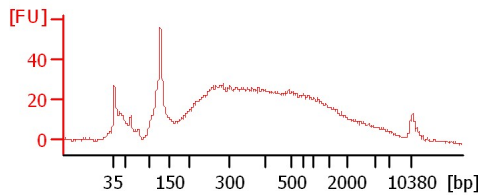
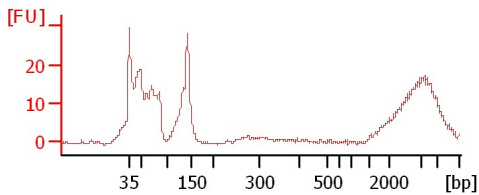
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

UC Haskell S. Dohle

UC92 S. Dohle

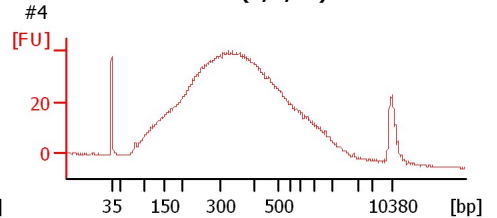
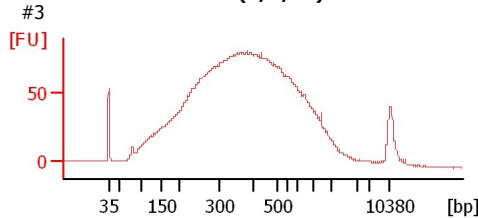
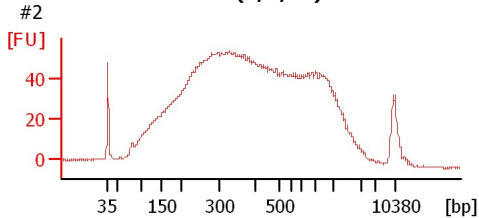
EK1 Lib (4/3/12)



EK 2 Lib (4/3/12)

EK 3 Lib (4/3/12)

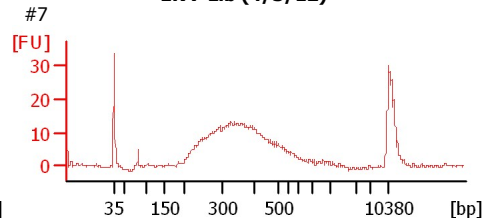
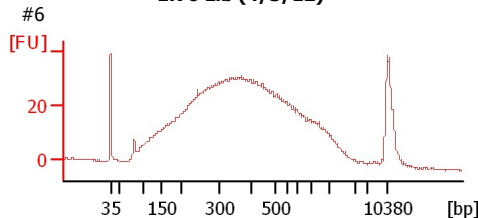
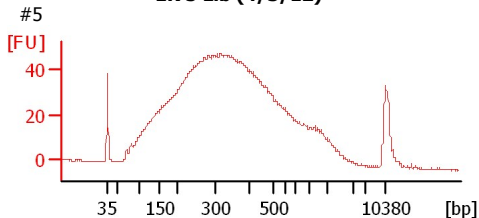
EK 4 Lib (4/3/12)



EK 5 Lib (4/3/12)

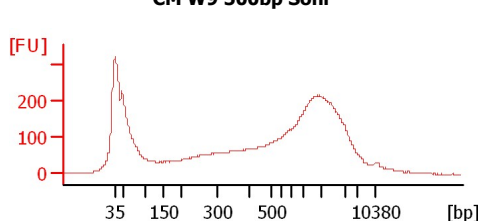
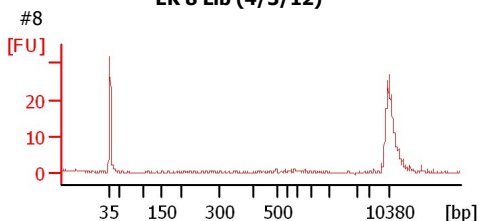
EK 6 Lib (4/3/12)

EK 7 Lib (4/3/12)



EK 8 Lib (4/3/12)

CM W9 500bp Soni



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| UC Haskell S. Dohle | | <input type="checkbox"/> | ✓ | | | |
| UC92 S. Dohle | | <input type="checkbox"/> | ✓ | | | |
| EK1 Lib (4/3/12) | #1 | <input type="checkbox"/> | ✓ | | | |
| EK 2 Lib (4/3/12) | #2 | <input type="checkbox"/> | ✓ | | | |
| EK 3 Lib (4/3/12) | #3 | <input type="checkbox"/> | ✓ | | | |
| EK 4 Lib (4/3/12) | #4 | <input type="checkbox"/> | ✓ | | | |
| EK 5 Lib (4/3/12) | #5 | <input type="checkbox"/> | ✓ | | | |
| EK 6 Lib (4/3/12) | #6 | <input type="checkbox"/> | ✓ | | | |
| EK 7 Lib (4/3/12) | #7 | <input type="checkbox"/> | ✓ | | | |
| EK 8 Lib (4/3/12) | #8 | <input type="checkbox"/> | ✓ | | | |
| CM W9 500bp Soni | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

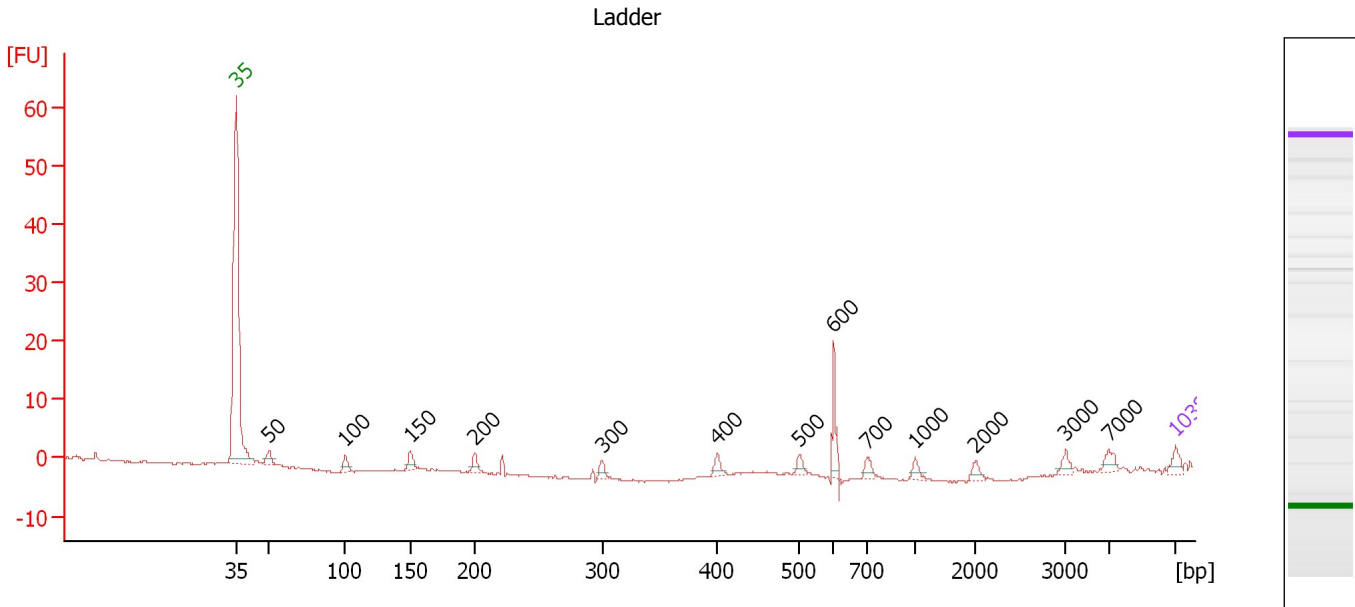
Ladder

| Ladder Peak | Size | Area |
|-------------|-------|------|
| 1 | 35 | 160 |
| 2 | 50 | 210 |
| 3 | 100 | 208 |
| 4 | 150 | 221 |
| 5 | 200 | 242 |
| 6 | 300 | 270 |
| 7 | 400 | 305 |
| 8 | 500 | 306 |
| 9 | 600 | 336 |
| 10 | 700 | 321 |
| 11 | 1000 | 366 |
| 12 | 2000 | 413 |
| 13 | 3000 | 411 |
| 14 | 7000 | 400 |
| 15 | 10380 | 214 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

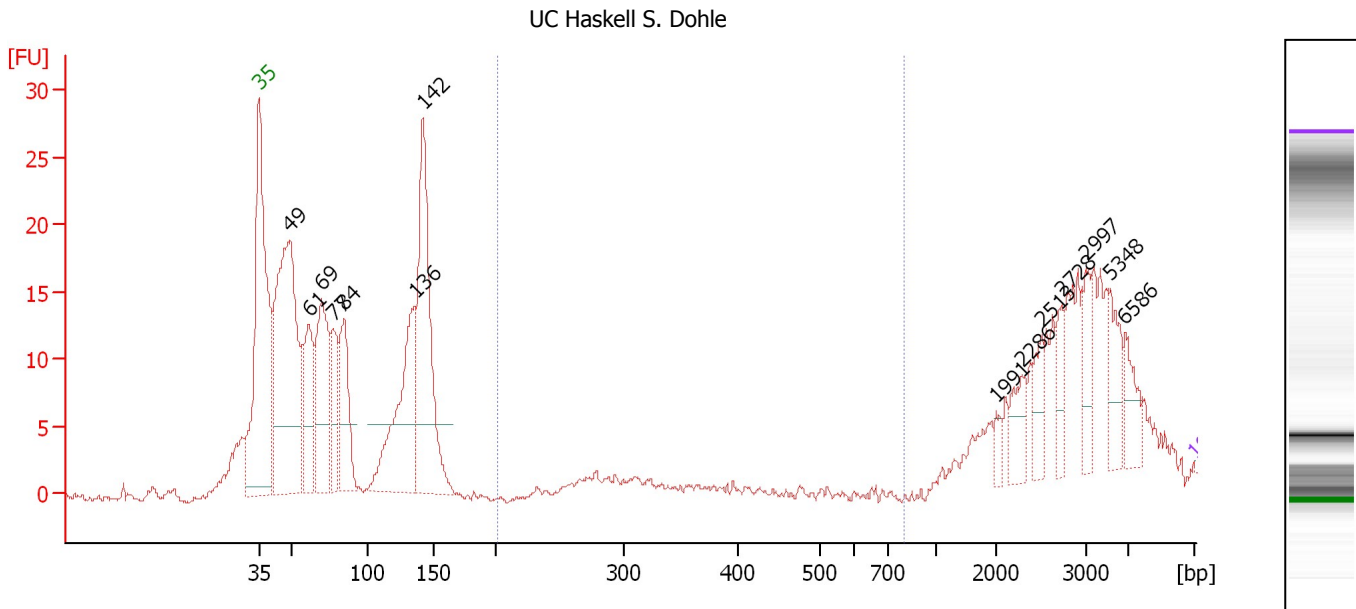
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : UC Haskell S. Dohle

Number of peaks found: 14 Corr. Area 1: 5.8
 Noise: 0.3

Peak table for sample 1 : UC Haskell S. Dohle

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 49 | 211,842.28 | 6,508,645.5 | |
| 3 | 61 | 55,330.61 | 1,375,869.6 | |
| 4 | 69 | 83,954.21 | 1,834,293.3 | |
| 5 | 77 | 39,340.27 | 769,988.2 | |
| 6 | 84 | 58,676.79 | 1,053,054.0 | |
| 7 | 136 | 100,012.47 | 1,114,248.8 | |
| 8 | 142 | 145,163.73 | 1,547,147.5 | |
| 9 | 1,991 | 4,390.17 | 3,341.6 | |
| 10 | 2,286 | 13,377.07 | 8,865.6 | |
| 11 | 2,513 | 11,354.31 | 6,845.8 | |
| 12 | 2,728 | 10,755.64 | 5,974.0 | |
| 13 | 2,997 | 14,156.26 | 7,158.0 | |
| 14 | 5,348 | 17,412.41 | 4,933.0 | |
| 15 | 6,586 | 13,826.99 | 3,180.9 | |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker |

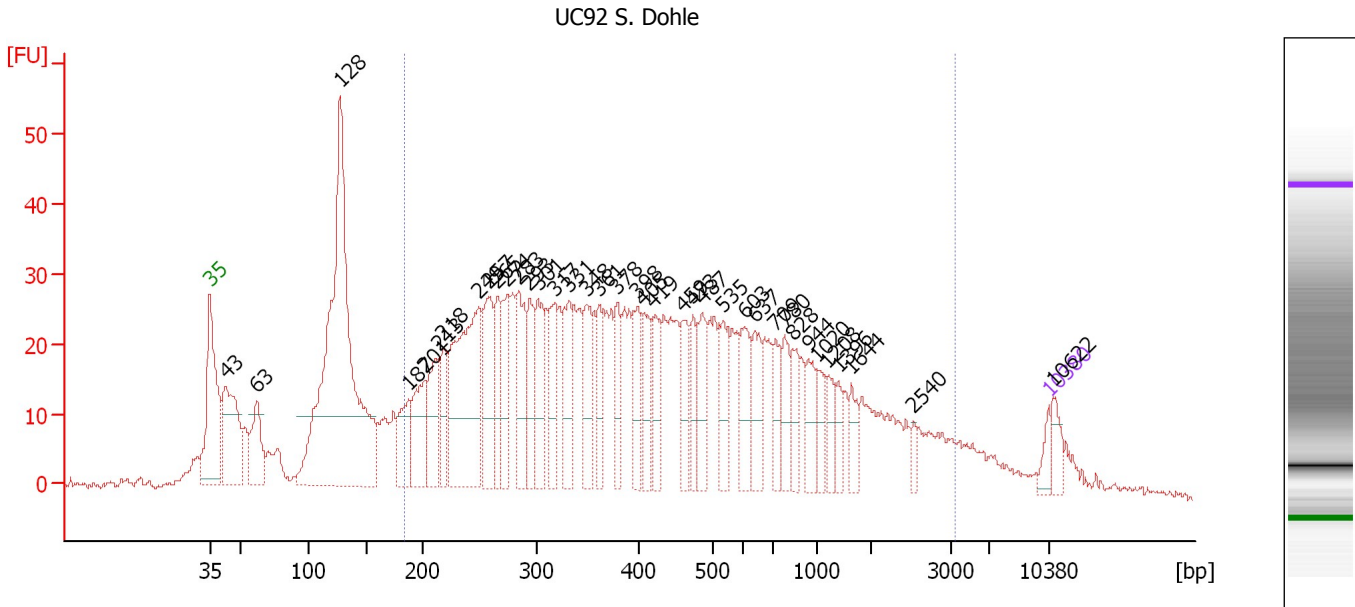
Region table for sample 1 : UC Haskell S. Dohle

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 201 | 64,285.2 | 293 | 12,332.14 | 795 | 5.8 | 1 | 9.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : UC92 S. Dohle

Height Threshold [FU] : 10

Overall Results for sample 2 : UC92 S. Dohle

Number of peaks found: 38 Corr. Area 1: 1,247.2
 Noise: 0.5

Peak table for sample 2 : UC92 S. Dohle


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 43 | 1,029.63 | 36,174.3 | |
| 3 | 63 | 530.42 | 12,803.6 | |
| 4 | 128 | 4,549.08 | 53,875.2 | |
| 5 | 187 | 421.15 | 3,407.3 | |
| 6 | 201 | 532.53 | 4,008.8 | |
| 7 | 213 | 495.02 | 3,522.4 | |
| 8 | 218 | 324.91 | 2,262.4 | |
| 9 | 249 | 1,575.24 | 9,591.1 | |
| 10 | 257 | 651.19 | 3,835.4 | |
| 11 | 265 | 398.80 | 2,278.7 | |
| 12 | 274 | 487.29 | 2,694.2 | |
| 13 | 283 | 585.00 | 3,128.0 | |
| 14 | 293 | 421.01 | 2,175.9 | |
| 15 | 301 | 493.65 | 2,487.4 | |
| 16 | 317 | 420.68 | 2,011.7 | |
| 17 | 331 | 456.46 | 2,086.8 | |
| 18 | 348 | 457.96 | 1,993.4 | |
| 19 | 361 | 326.59 | 1,372.3 | |
| 20 | 378 | 290.38 | 1,163.1 | |
| 21 | 398 | 361.57 | 1,376.2 | |
| 22 | 405 | 327.59 | 1,224.5 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad


Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : UC92 S. Dohle

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 419 | 319.73 | 1,157.5 | |
| 24 | 459 | 322.41 | 1,064.9 | |
| 25 | 473 | 244.80 | 783.5 | |
| 26 | 487 | 379.07 | 1,180.4 | |
| 27 | 535 | 377.91 | 1,070.3 | |
| 28 | 603 | 338.88 | 851.5 | |
| 29 | 637 | 300.26 | 714.5 | |
| 30 | 709 | 229.91 | 491.4 | |
| 31 | 780 | 234.00 | 454.6 | |
| 32 | 828 | 203.95 | 373.0 | |
| 33 | 944 | 217.77 | 349.5 | |
| 34 | 1,020 | 157.29 | 233.7 | |
| 35 | 1,208 | 134.41 | 168.6 | |
| 36 | 1,396 | 114.48 | 124.2 | |
| 37 | 1,644 | 141.59 | 130.5 | |
| 38 | 2,540 | 59.04 | 35.2 | |
| 39 |  10,380 | 75.00 | 10.9 | Upper Marker |
| 40 | 10,622 | 0.00 | 0.0 | |

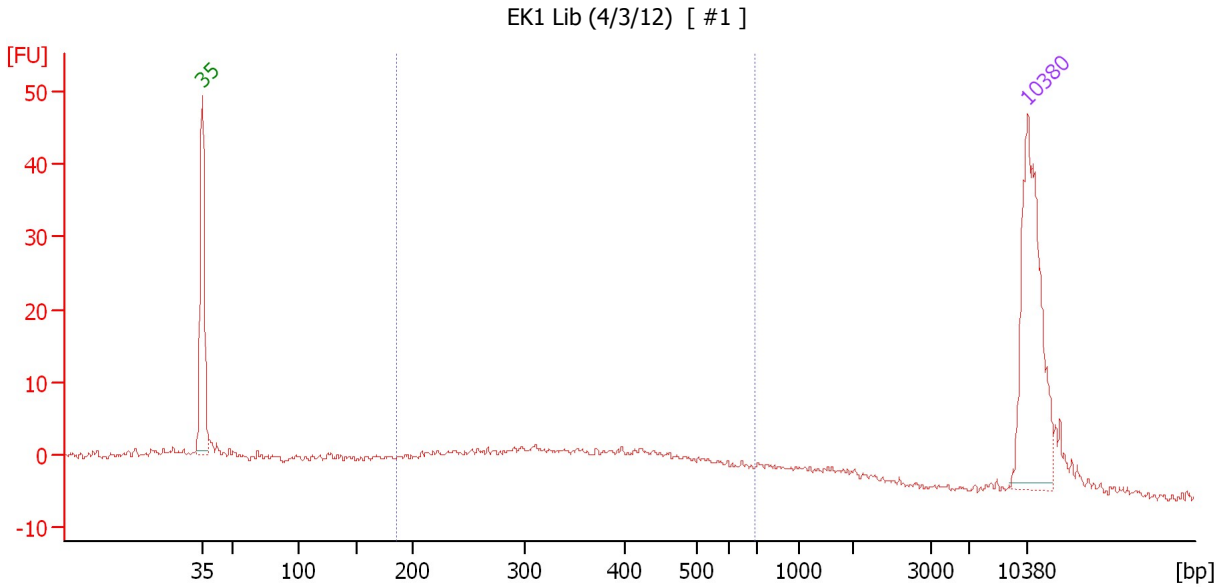
Region table for sample 2 : UC92 S. Dohle

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|--|
| 183 | 78,006.7 | 645 | 18,388.33 | 3,562 | 1,247.2 | 74 | 96.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 3 : EK1 Lib (4/3/12)

Height Threshold [FU] : 20

Overall Results for sample 3 : EK1 Lib (4/3/12)

Number of peaks found: 0 Corr. Area 1: 97.3
 Noise: 0.4

Peak table for sample 3 : EK1 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker |

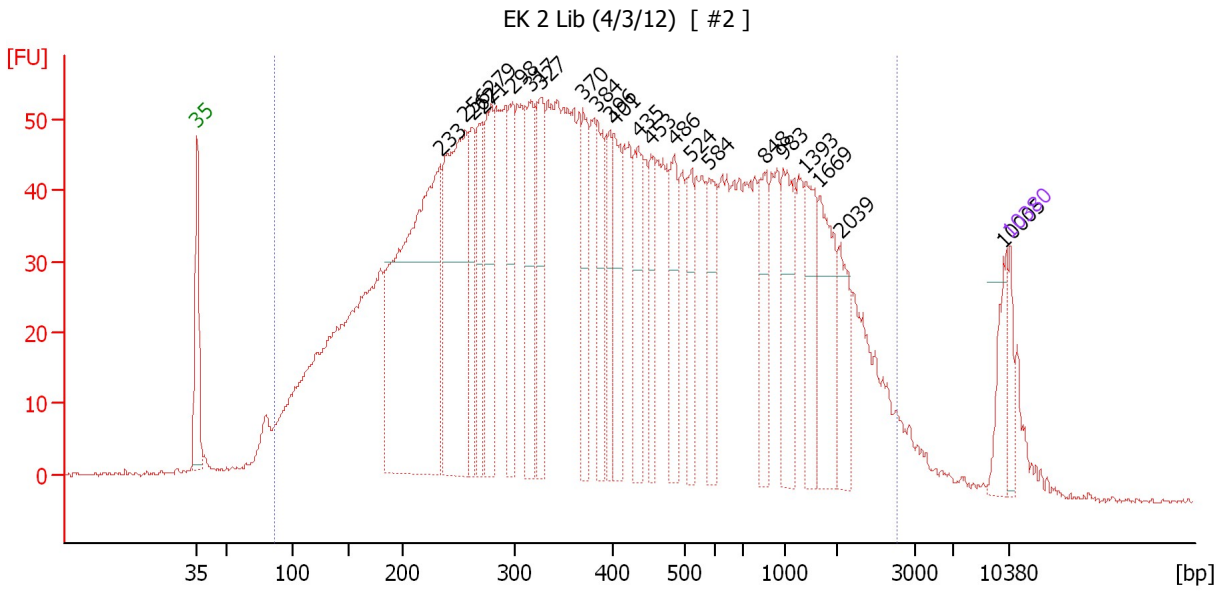
Region table for sample 3 : EK1 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 186 | 602.6 | 369 | 128.11 | 691 | 97.3 | 60 | 30.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : EK 2 Lib (4/3/12)

Height Threshold [FU] : 30

Overall Results for sample 4 : EK 2 Lib (4/3/12)

Number of peaks found: 23 Corr. Area 1: 2,835.1
 Noise: 0.3

Peak table for sample 4 : EK 2 Lib (4/3/12)


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 233 | 1,760.68 | 11,434.7 | |
| 3 | 256 | 977.30 | 5,785.9 | |
| 4 | 262 | 296.12 | 1,711.3 | |
| 5 | 271 | 293.11 | 1,636.8 | |
| 6 | 279 | 383.52 | 2,082.5 | |
| 7 | 298 | 310.83 | 1,578.8 | |
| 8 | 317 | 338.32 | 1,617.5 | |
| 9 | 327 | 352.32 | 1,634.5 | |
| 10 | 370 | 254.23 | 1,042.3 | |
| 11 | 384 | 270.00 | 1,066.6 | |
| 12 | 396 | 198.39 | 758.2 | |
| 13 | 401 | 266.42 | 1,006.5 | |
| 14 | 435 | 252.33 | 878.8 | |
| 15 | 453 | 189.97 | 635.2 | |
| 16 | 486 | 220.48 | 687.9 | |
| 17 | 524 | 204.74 | 591.5 | |
| 18 | 584 | 209.09 | 542.5 | |
| 19 | 848 | 205.43 | 367.2 | |
| 20 | 983 | 267.53 | 412.6 | |
| 21 | 1,393 | 213.67 | 232.4 | |
| 22 | 1,669 | 269.33 | 244.4 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad


Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : EK 2 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 2,039 | 150.16 | 111.6 | |
| 24 | 10,005 | 98.32 | 14.9 | |
| 25 |  10,380 | 75.00 | 10.9 | Upper Marker |

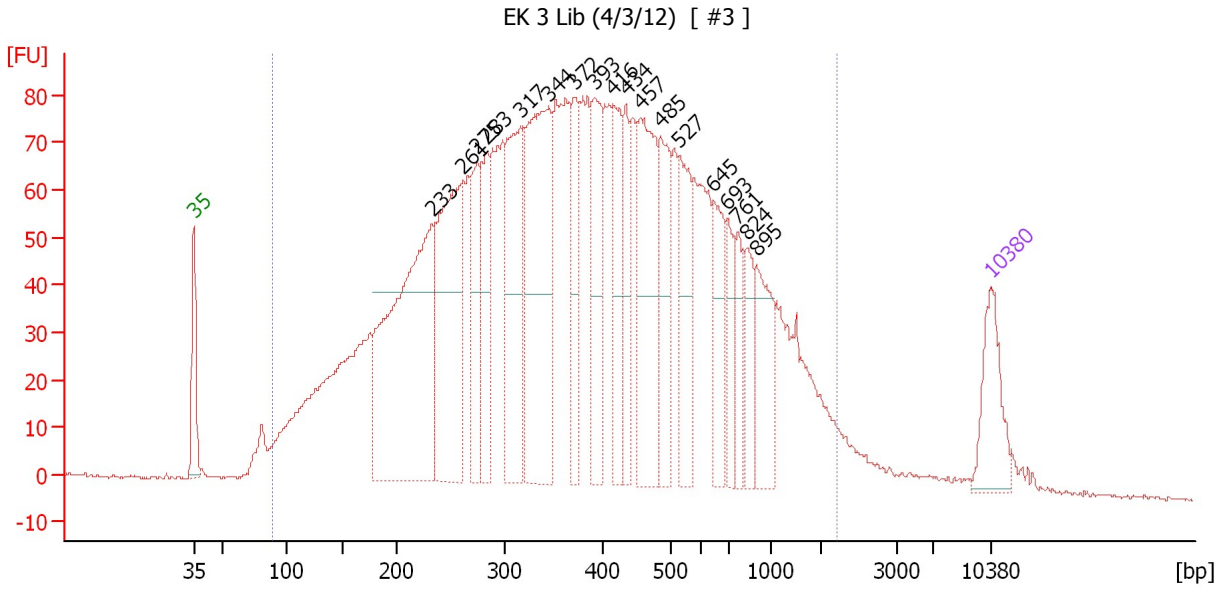
Region table for sample 4 : EK 2 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 87 | 83,929.4 | 593 | 15,835.10 | 2,781 | 2,835.1 | 96 | 93.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : EK 3 Lib (4/3/12)

Height Threshold [FU] : 40

Overall Results for sample 5 : EK 3 Lib (4/3/12)

Number of peaks found: 18 Corr. Area 1: 3,562.9
 Noise: 0.4

Peak table for sample 5 : EK 3 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 233 | 652.94 | 4,240.7 | |
| 3 | 261 | 382.23 | 2,216.5 | |
| 4 | 275 | 142.16 | 783.2 | |
| 5 | 283 | 143.81 | 768.9 | |
| 6 | 317 | 262.09 | 1,254.5 | |
| 7 | 344 | 391.36 | 1,721.3 | |
| 8 | 372 | 122.18 | 497.8 | |
| 9 | 393 | 160.02 | 616.5 | |
| 10 | 416 | 145.59 | 530.3 | |
| 11 | 434 | 87.71 | 305.9 | |
| 12 | 457 | 261.01 | 865.7 | |
| 13 | 485 | 148.82 | 465.3 | |
| 14 | 527 | 138.35 | 398.0 | |
| 15 | 645 | 106.41 | 250.0 | |
| 16 | 693 | 68.09 | 148.8 | |
| 17 | 761 | 55.38 | 110.3 | |
| 18 | 824 | 60.32 | 110.9 | |
| 19 | 895 | 102.33 | 173.3 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...

... Region table for sample 5 :

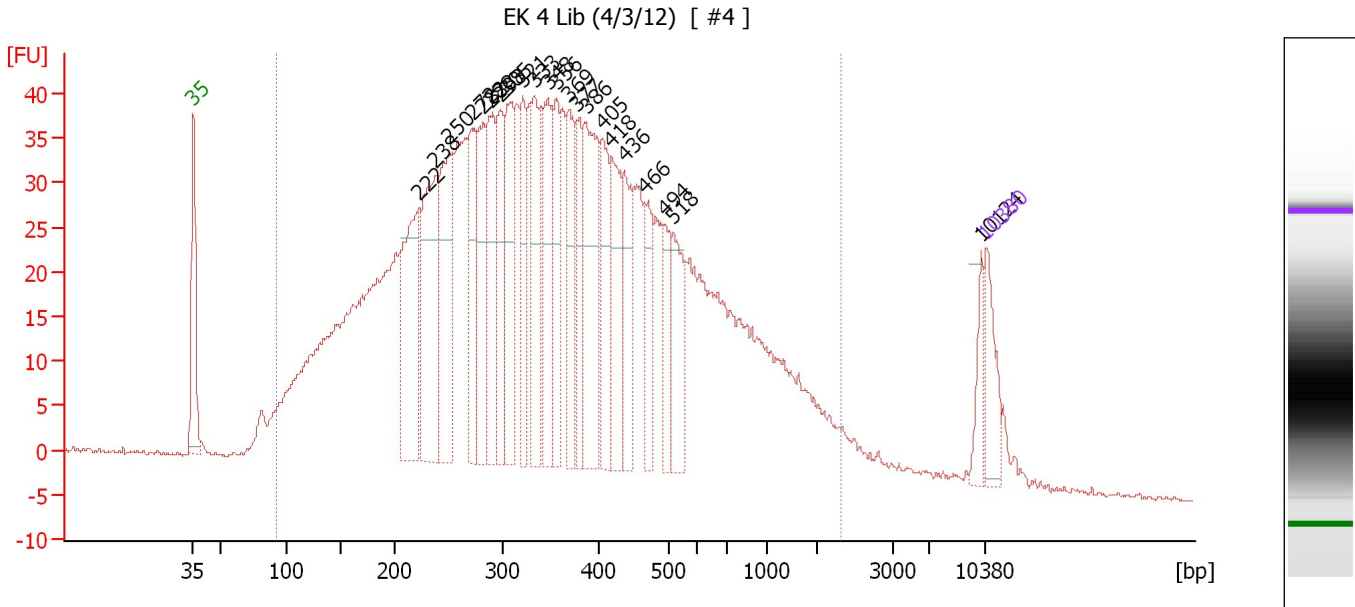
EK 3 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 90 | 29,150.1 | 465 | 5,638.37 | 2,203 | 3,562.9 | 97 | 72.0 | ■ |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : EK 4 Lib (4/3/12)

Height Threshold [FU] : 25

Overall Results for sample 6 : EK 4 Lib (4/3/12)

Number of peaks found: 22 Corr. Area 1: 1,761.2
 Noise: 0.3

Peak table for sample 6 : EK 4 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 222 | 365.34 | 2,492.1 | |
| 3 | 238 | 368.73 | 2,348.1 | |
| 4 | 250 | 333.10 | 2,020.6 | |
| 5 | 272 | 198.96 | 1,110.3 | |
| 6 | 282 | 208.94 | 1,121.2 | |
| 7 | 288 | 223.83 | 1,176.4 | |
| 8 | 298 | 172.91 | 880.1 | |
| 9 | 305 | 222.45 | 1,104.6 | |
| 10 | 321 | 155.99 | 736.0 | |
| 11 | 333 | 198.91 | 905.9 | |
| 12 | 348 | 203.16 | 885.7 | |
| 13 | 356 | 143.47 | 610.9 | |
| 14 | 369 | 187.09 | 769.3 | |
| 15 | 377 | 130.35 | 523.4 | |
| 16 | 386 | 295.84 | 1,160.8 | |
| 17 | 405 | 158.88 | 595.1 | |
| 18 | 418 | 181.34 | 657.8 | |
| 19 | 436 | 161.64 | 561.3 | |
| 20 | 466 | 123.54 | 401.9 | |
| 21 | 494 | 99.25 | 304.2 | |
| 22 | 518 | 140.38 | 411.0 | |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : EK 4 Lib (4/3/12)**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 23 | 10,124 | 43.98 | 6.6 | |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker |

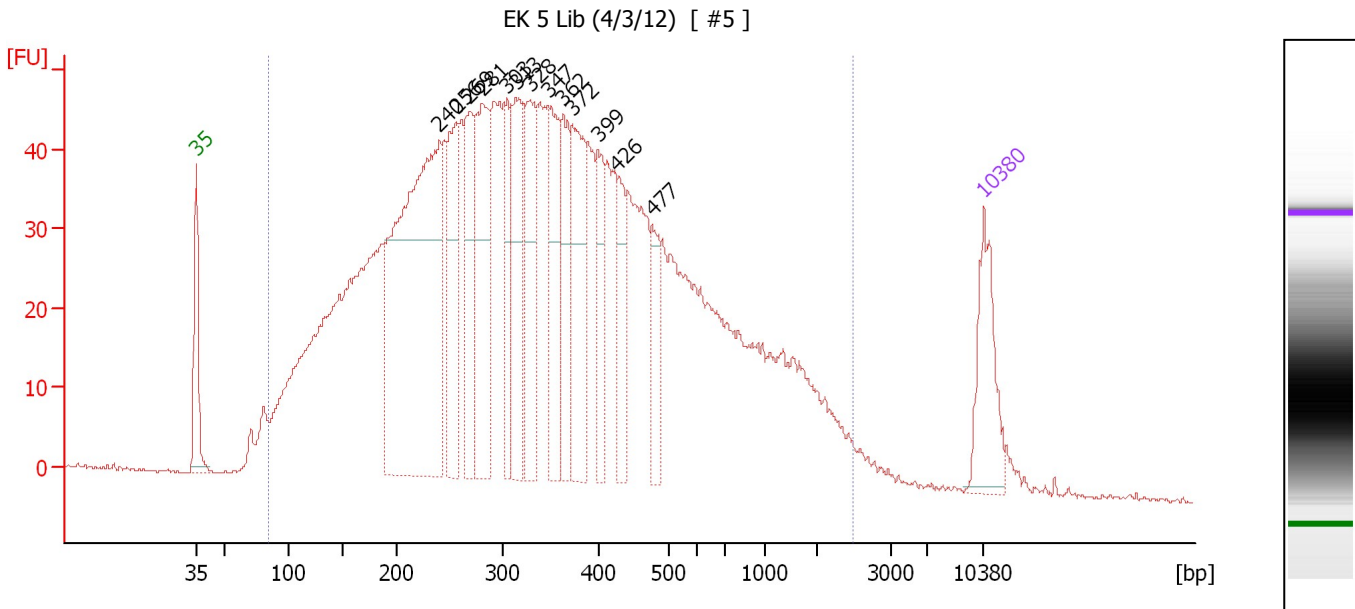
Region table for sample 6 : EK 4 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 92 | 43,736.3 | 432 | 7,865.86 | 2,306 | 1,761.2 | 96 | 78.1 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : EK 5 Lib (4/3/12)

Height Threshold [FU] : 30

Overall Results for sample 7 : EK 5 Lib (4/3/12)

Number of peaks found: 13 Corr. Area 1: 2,160.3
 Noise: 0.2

Peak table for sample 7 : EK 5 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 240 | 679.24 | 4,283.0 | |
| 3 | 256 | 161.52 | 957.1 | |
| 4 | 269 | 141.18 | 796.4 | |
| 5 | 281 | 205.31 | 1,107.0 | |
| 6 | 303 | 91.76 | 458.5 | |
| 7 | 313 | 159.35 | 770.9 | |
| 8 | 328 | 146.51 | 676.4 | |
| 9 | 347 | 136.40 | 595.6 | |
| 10 | 362 | 111.28 | 465.8 | |
| 11 | 372 | 160.77 | 654.9 | |
| 12 | 399 | 78.28 | 297.5 | |
| 13 | 426 | 78.71 | 279.9 | |
| 14 | 477 | 60.13 | 191.1 | |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

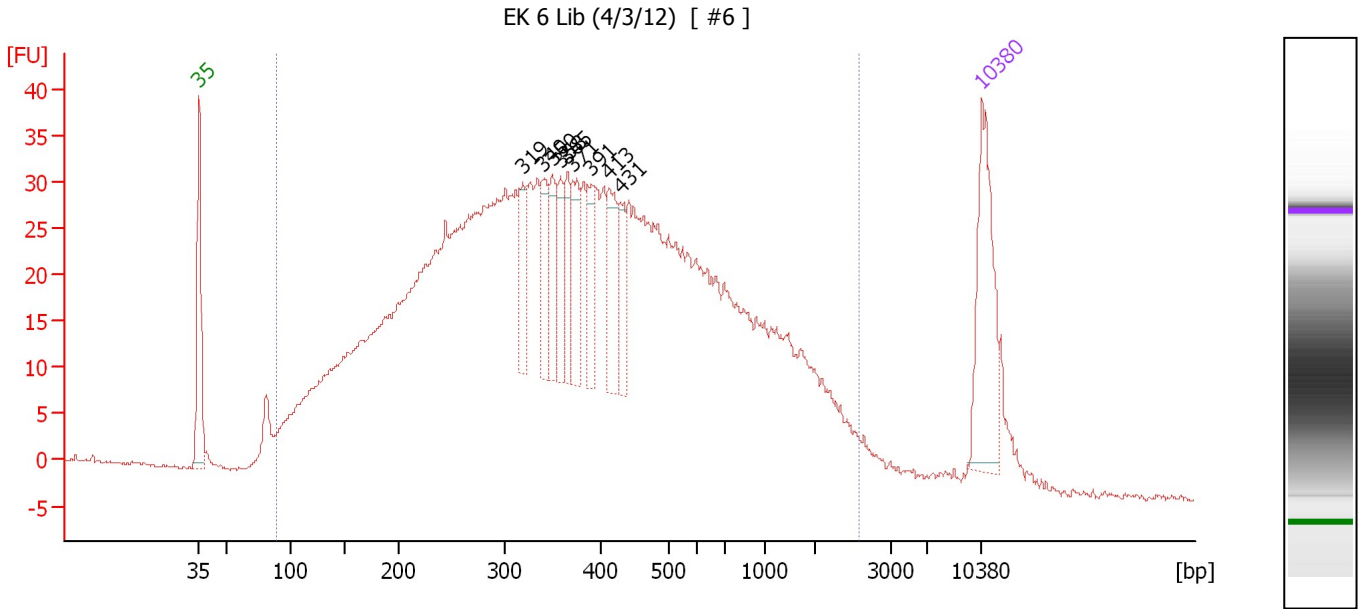
Region table for sample 7 : EK 5 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/µl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 84 | 27,906.9 | 436 | 4,718.57 | 2,479 | 2,160.3 | 98 | 87.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 8 : EK 6 Lib (4/3/12)

Height Threshold [FU] : 20

Overall Results for sample 8 : EK 6 Lib (4/3/12)

Number of peaks found: 9 Corr. Area 1: 1,474.0
 Noise: 0.2

Peak table for sample 8 : EK 6 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 319 | 35.34 | 168.1 | |
| 3 | 340 | 38.21 | 170.4 | |
| 4 | 350 | 37.83 | 163.8 | |
| 5 | 358 | 34.43 | 145.6 | |
| 6 | 365 | 34.54 | 143.2 | |
| 7 | 371 | 44.03 | 179.8 | |
| 8 | 391 | 32.29 | 125.1 | |
| 9 | 413 | 47.32 | 173.4 | |
| 10 | 431 | 29.08 | 102.3 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |

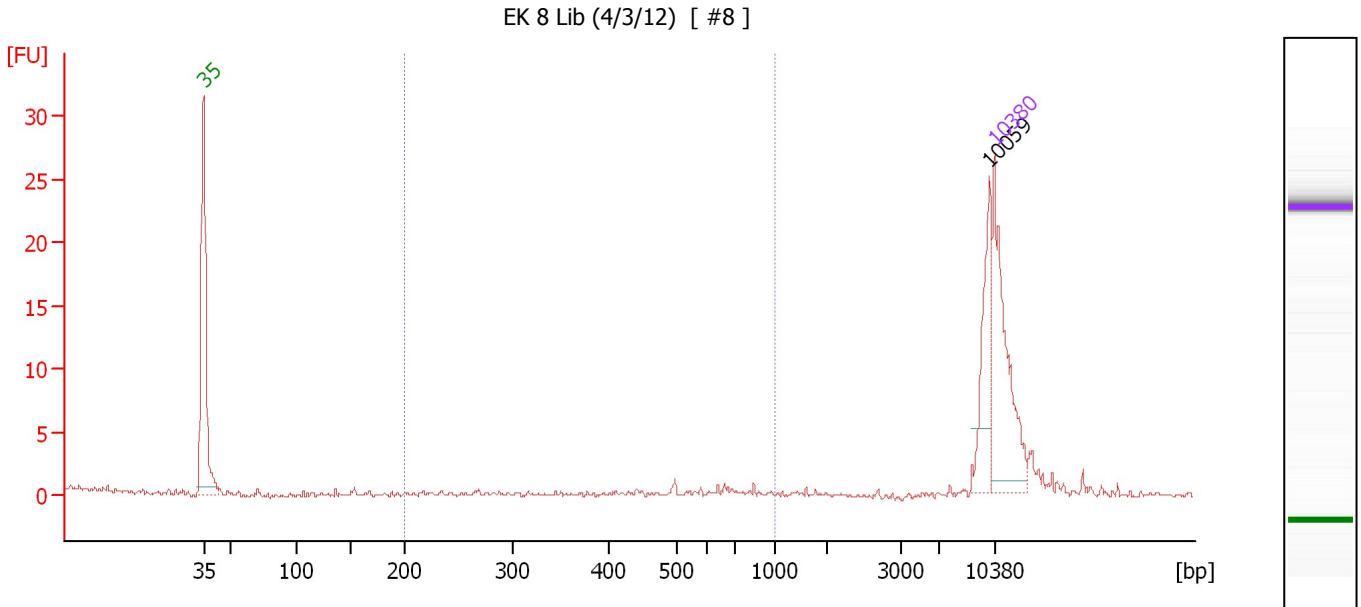
Region table for sample 8 : EK 6 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 89 | 15,635.3 | 509 | 2,935.65 | 2,590 | 1,474.0 | 96 | 88.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : EK 8 Lib (4/3/12)

Number of peaks found: 1 Corr. Area 1: 0.7
 Noise: 0.2

Peak table for sample 10 : EK 8 Lib (4/3/12)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,059 | 45.19 | 6.8 | |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker |

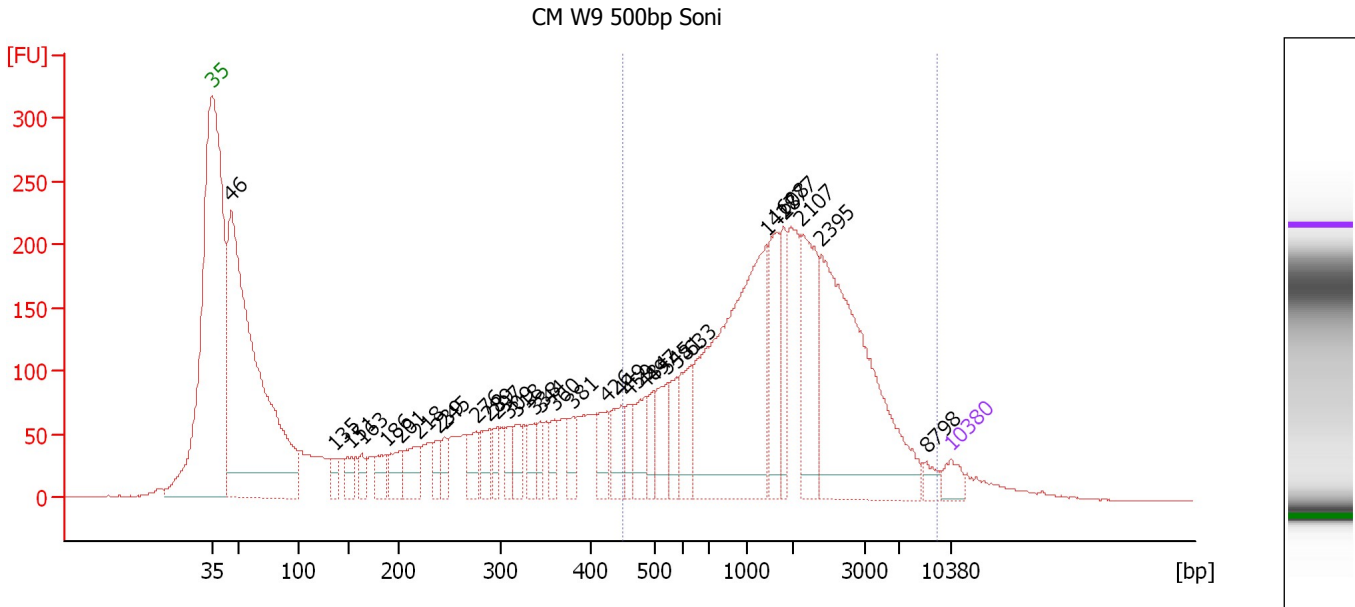
Region table for sample 10 : EK 8 Lib (4/3/12)

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 5.9 | 616 | 2.28 | 1,000 | 0.7 | 3 | 19.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 11 : CM W9 500bp Soni

Height Threshold [FU] : 20

Overall Results for sample 11 : CM W9 500bp Soni

Number of peaks found: 32 Corr. Area 1: 3,786.8
 Noise: 0.5

Peak table for sample 11 : CM W9 500bp Soni


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 46 | 4,553.00 | 149,725.4 | |
| 3 | 135 | 98.77 | 1,105.9 | |
| 4 | 151 | 125.90 | 1,259.2 | |
| 5 | 163 | 96.15 | 895.9 | |
| 6 | 186 | 161.53 | 1,312.6 | |
| 7 | 201 | 191.55 | 1,445.6 | |
| 8 | 218 | 239.34 | 1,661.6 | |
| 9 | 239 | 130.34 | 824.8 | |
| 10 | 245 | 109.08 | 673.9 | |
| 11 | 276 | 186.62 | 1,024.5 | |
| 12 | 289 | 188.67 | 990.1 | |
| 13 | 297 | 112.97 | 577.0 | |
| 14 | 309 | 111.89 | 549.2 | |
| 15 | 318 | 172.67 | 823.9 | |
| 16 | 338 | 150.08 | 673.4 | |
| 17 | 344 | 117.65 | 517.9 | |
| 18 | 360 | 141.09 | 593.6 | |
| 19 | 381 | 148.30 | 590.0 | |
| 20 | 426 | 205.66 | 731.0 | |
| 21 | 449 | 229.45 | 774.8 | |
| 22 | 459 | 122.50 | 403.9 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad


Created: 4/4/2012 9:07:16 AM
 Modified: 4/4/2012 3:33:09 PM

Electropherogram Summary Continued ...

... Peak table for sample 11 : CM W9 500bp Soni

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 23 | 484 | 251.60 | 787.0 | |
| 24 | 497 | 124.36 | 379.2 | |
| 25 | 545 | 240.07 | 667.7 | |
| 26 | 581 | 174.88 | 455.7 | |
| 27 | 633 | 289.59 | 693.2 | |
| 28 | 1,428 | 1,696.59 | 1,800.4 | |
| 29 | 1,608 | 360.17 | 339.4 | |
| 30 | 1,777 | 228.20 | 194.6 | |
| 31 | 2,107 | 533.16 | 383.4 | |
| 32 | 2,395 | 1,506.37 | 953.1 | |
| 33 | 8,798 | 55.19 | 9.5 | |
| 34 |  10,380 | 75.00 | 10.9 | Upper Marker |

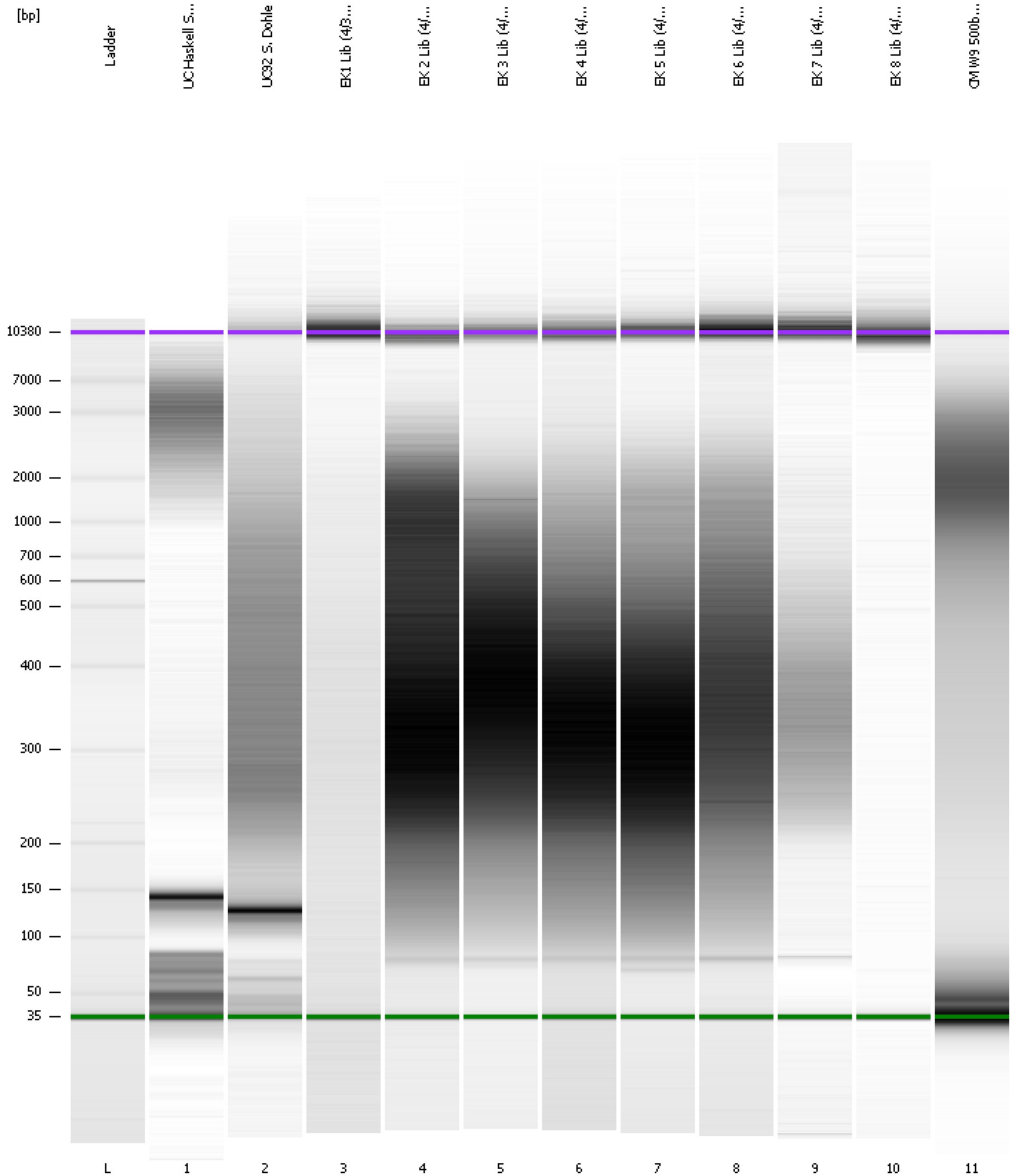
Region table for sample 11 : CM W9 500bp Soni

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|---|
| 449 | 8,763.7 | 1,989 | 6,223.31 | 9,477 | 3,786.8 | 51 | 82.0 |  |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad

Created: 4/4/2012 9:07:16 AM
Modified: 4/4/2012 3:33:09 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 4/4/2012 9:07:16 AM
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad Modified: 4/4/2012 3:33:09 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|--------|------------|----------|--------------|---------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 12) | | Instrument | Run | | 4/4/2012 9:48:35 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-04-04\2012-04-04_001.xad) | | Instrument | Run | | 4/4/2012 9:07:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 4/4/2012 9:07:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 4/4/2012 9:07:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 4/4/2012 9:07:22 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 4/4/2012 9:07:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 4/4/2012 9:07:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 4/4/2012 9:07:21 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |