

Assay Class: DNA 7500  
Data Path: D:\...-04\2100 expert\_DNA 7500\_DE24802235\_2010-10-04\_12-41-05.xad

Created: 10/4/2010 12:41:05 PM  
Modified: 10/4/2010 1:47:06 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 20  
Maximum Visible Range [s] : 94  
Start Analysis Time Range [s] : 20  
End Analysis Time Range [s] : 93.95  
Ladder Concentration [ng/μl] : 40  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [ng/μl] : 8.3  
Upper Marker Concentration [ng/μl] : 4.2  
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] : 20  
Integration End Time [s] : 93.95  
Slope Threshold : 0.8  
Height Threshold [FU] : 20  
Area Threshold : 0.1  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

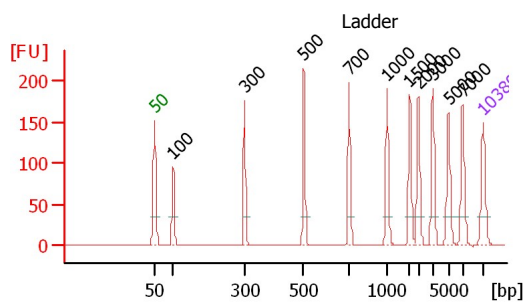
### Ladder

| Ladder Peak | Size  | Area |
|-------------|-------|------|
| 1           | 50    | 120  |
| 2           | 100   | 47   |
| 3           | 300   | 63   |
| 4           | 500   | 81   |
| 5           | 700   | 85   |
| 6           | 1000  | 93   |
| 7           | 1500  | 101  |
| 8           | 2000  | 101  |
| 9           | 3000  | 106  |
| 10          | 5000  | 108  |
| 11          | 7000  | 109  |
| 12          | 10380 | 107  |

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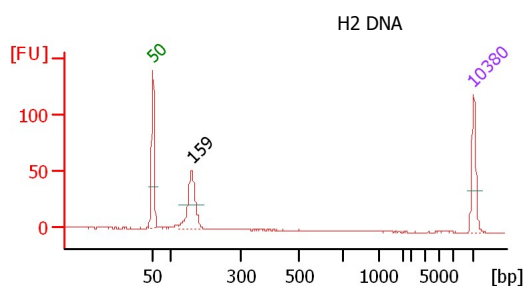
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### Electropherogram Summary



Peak table for Ladder

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 100       | 4.00          | 60.6              | Ladder Peak  |
| 3    | 300       | 4.00          | 20.2              | Ladder Peak  |
| 4    | 500       | 4.00          | 12.1              | Ladder Peak  |
| 5    | 700       | 4.00          | 8.7               | Ladder Peak  |
| 6    | 1,000     | 4.00          | 6.1               | Ladder Peak  |
| 7    | 1,500     | 4.00          | 4.0               | Ladder Peak  |
| 8    | 2,000     | 4.00          | 3.0               | Ladder Peak  |
| 9    | 3,000     | 4.00          | 2.0               | Ladder Peak  |
| 10   | 5,000     | 4.00          | 1.2               | Ladder Peak  |
| 11   | 7,000     | 4.00          | 0.9               | Ladder Peak  |
| 12   | 10,380    | 4.20          | 0.6               | Upper Marker |

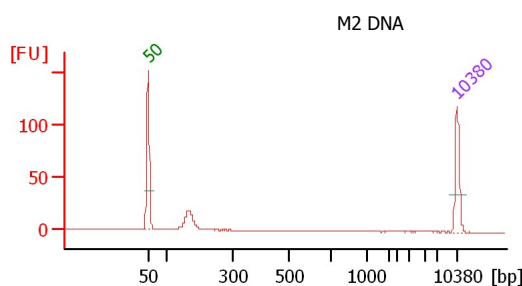


#### Overall Results for sample 1 : H2 DNA

Number of peaks found: 1

##### Peak table for sample 1 : H2 DNA

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 159       | 6.15          | 58.7              |              |
| 3    | 10,380    | 4.20          | 0.6               | Upper Marker |



#### Overall Results for sample 2 : M2 DNA

Number of peaks found: 0

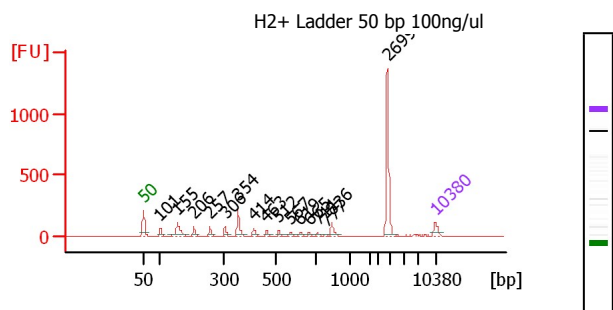
##### Peak table for sample 2 : M2 DNA

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 10,380    | 4.20          | 0.6               | Upper Marker |

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### Electropherogram Summary Continued ...



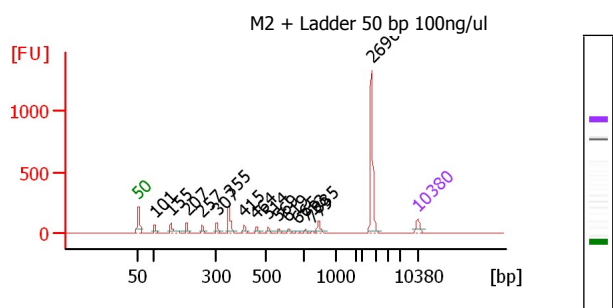
| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 711       | 0.87          | 1.8               |              |
| 15   | 777       | 0.70          | 1.4               |              |
| 16   | 836       | 3.23          | 5.9               |              |
| 17   | 2,699     | 28.48         | 16.0              |              |
| 18   | 10,380    | 4.20          | 0.6               | Upper Marker |

#### Overall Results for sample 3 : H2+ Ladder 50 bp 100ng/ul

Number of peaks found: 16

#### Peak table for sample 3 : H2+ Ladder 50 bp 100ng/ul

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 101       | 2.76          | 41.5              |              |
| 3    | 155       | 7.81          | 76.4              |              |
| 4    | 206       | 2.70          | 19.8              |              |
| 5    | 257       | 2.30          | 13.6              |              |
| 6    | 306       | 2.46          | 12.2              |              |
| 7    | 354       | 6.93          | 29.6              |              |
| 8    | 414       | 1.96          | 7.2               |              |
| 9    | 463       | 1.48          | 4.8               |              |
| 10   | 512       | 1.51          | 4.5               |              |
| 11   | 567       | 1.13          | 3.0               |              |
| 12   | 619       | 1.15          | 2.8               |              |
| 13   | 665       | 0.85          | 1.9               |              |



| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 713       | 0.86          | 1.8               |              |
| 15   | 779       | 0.67          | 1.3               |              |
| 16   | 835       | 3.14          | 5.7               |              |
| 17   | 2,696     | 27.07         | 15.2              |              |
| 18   | 10,380    | 4.20          | 0.6               | Upper Marker |

#### Overall Results for sample 4 : M2 + Ladder 50 bp 100ng/ul

Number of peaks found: 16

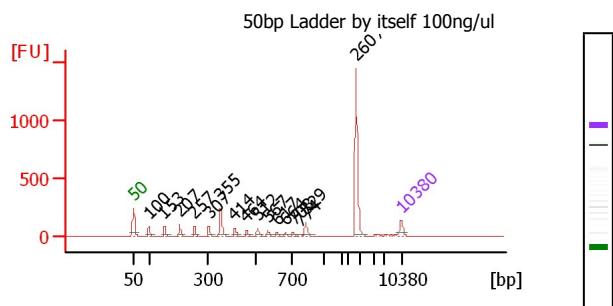
#### Peak table for sample 4 : M2 + Ladder 50 bp 100ng/ul

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 101       | 2.70          | 40.5              |              |
| 3    | 155       | 4.55          | 44.5              |              |
| 4    | 207       | 2.74          | 20.0              |              |
| 5    | 257       | 2.31          | 13.6              |              |
| 6    | 307       | 2.42          | 12.0              |              |
| 7    | 355       | 6.78          | 28.9              |              |
| 8    | 415       | 1.90          | 6.9               |              |
| 9    | 464       | 1.45          | 4.7               |              |
| 10   | 514       | 1.49          | 4.4               |              |
| 11   | 569       | 1.11          | 2.9               |              |
| 12   | 619       | 1.12          | 2.7               |              |
| 13   | 665       | 0.82          | 1.9               |              |

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### Electropherogram Summary Continued ...



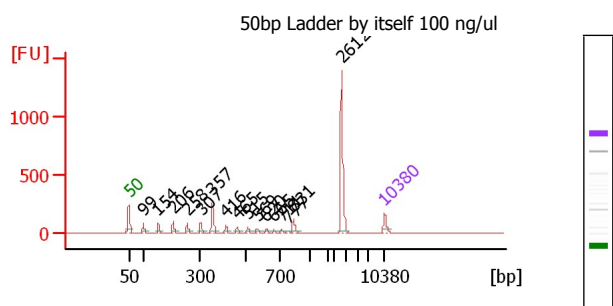
| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 708       | 0.90          | 1.9               |              |
| 15   | 774       | 0.71          | 1.4               |              |
| 16   | 829       | 3.29          | 6.0               |              |
| 17   | 2,607     | 27.03         | 15.7              |              |
| 18   | 10,380    | 4.20          | 0.6               | Upper Marker |

#### Overall Results for sample 5 : 50bp Ladder by itself 100ng/ul

Number of peaks found: 16

#### Peak table for sample 5 : 50bp Ladder by itself 100ng/ul

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 100       | 2.84          | 42.9              |              |
| 3    | 153       | 2.62          | 25.8              |              |
| 4    | 207       | 2.88          | 21.1              |              |
| 5    | 257       | 2.46          | 14.5              |              |
| 6    | 307       | 2.54          | 12.5              |              |
| 7    | 355       | 7.06          | 30.1              |              |
| 8    | 414       | 1.98          | 7.2               |              |
| 9    | 464       | 1.51          | 4.9               |              |
| 10   | 512       | 1.53          | 4.5               |              |
| 11   | 567       | 1.14          | 3.0               |              |
| 12   | 617       | 1.15          | 2.8               |              |
| 13   | 664       | 0.86          | 2.0               |              |



| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 711       | 0.88          | 1.9               |              |
| 15   | 777       | 0.66          | 1.3               |              |
| 16   | 831       | 3.24          | 5.9               |              |
| 17   | 2,612     | 25.76         | 14.9              |              |
| 18   | 10,380    | 4.20          | 0.6               | Upper Marker |

#### Overall Results for sample 6 : 50bp Ladder by itself 100 ng/ul

Number of peaks found: 16

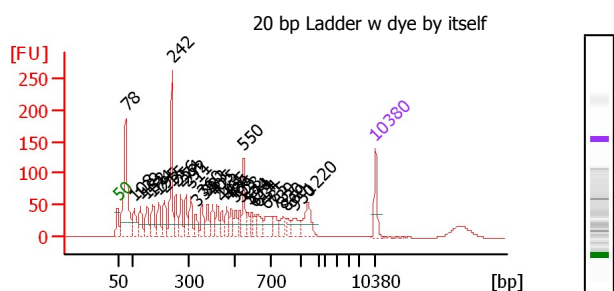
#### Peak table for sample 6 : 50bp Ladder by itself 100 ng/ul

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 99        | 2.82          | 43.0              |              |
| 3    | 154       | 2.59          | 25.4              |              |
| 4    | 206       | 2.86          | 21.0              |              |
| 5    | 258       | 2.44          | 14.3              |              |
| 6    | 307       | 2.54          | 12.5              |              |
| 7    | 357       | 6.95          | 29.5              |              |
| 8    | 416       | 1.98          | 7.2               |              |
| 9    | 465       | 1.51          | 4.9               |              |
| 10   | 515       | 1.55          | 4.6               |              |
| 11   | 569       | 1.12          | 3.0               |              |
| 12   | 620       | 1.14          | 2.8               |              |
| 13   | 665       | 0.84          | 1.9               |              |

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### Electropherogram Summary Continued ...



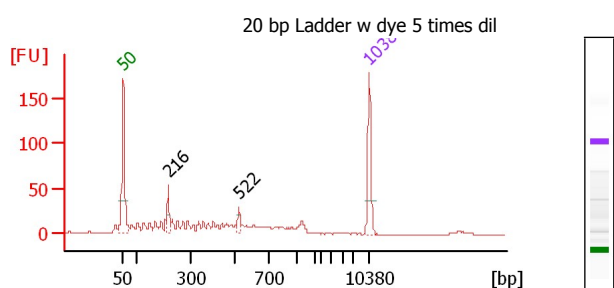
#### Overall Results for sample 7 : 20 bp Ladder w dye by itself

Number of peaks found: 33

#### Peak table for sample 7 : 20 bp Ladder w dye by itself

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 78        | 14.66         | 285.9             |              |
| 3    | 108       | 3.42          | 48.1              |              |
| 4    | 129       | 3.14          | 36.8              |              |
| 5    | 152       | 3.32          | 33.0              |              |
| 6    | 174       | 3.38          | 29.5              |              |
| 7    | 195       | 3.25          | 25.2              |              |
| 8    | 215       | 3.28          | 23.1              |              |
| 9    | 242       | 10.04         | 62.9              |              |
| 10   | 256       | 2.86          | 16.9              |              |
| 11   | 274       | 3.02          | 16.7              |              |
| 12   | 292       | 2.88          | 15.0              |              |
| 13   | 311       | 2.67          | 13.0              |              |

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 333       | 1.78          | 8.1               |              |
| 15   | 360       | 2.41          | 10.1              |              |
| 16   | 383       | 2.34          | 9.2               |              |
| 17   | 405       | 2.26          | 8.5               |              |
| 18   | 425       | 2.14          | 7.6               |              |
| 19   | 444       | 1.64          | 5.6               |              |
| 20   | 465       | 1.99          | 6.5               |              |
| 21   | 486       | 1.69          | 5.3               |              |
| 22   | 505       | 1.73          | 5.2               |              |
| 23   | 528       | 1.44          | 4.1               |              |
| 24   | 550       | 3.69          | 10.2              |              |
| 25   | 574       | 1.37          | 3.6               |              |
| 26   | 594       | 1.33          | 3.4               |              |
| 27   | 614       | 1.16          | 2.9               |              |
| 28   | 634       | 2.30          | 5.5               |              |
| 29   | 685       | 3.08          | 6.8               |              |
| 30   | 739       | 1.84          | 3.8               |              |
| 31   | 830       | 1.87          | 3.4               |              |
| 32   | 860       | 1.49          | 2.6               |              |
| 33   | 950       | 2.47          | 3.9               |              |
| 34   | 1,220     | 4.41          | 5.5               |              |
| 35   | 10,380    | 4.20          | 0.6               | Upper Marker |

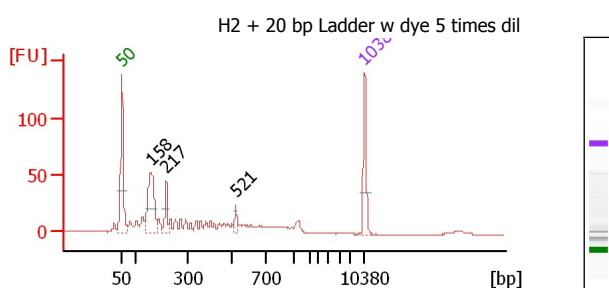


#### Overall Results for sample 9 : 20 bp Ladder w dye 5 times dil

Number of peaks found: 2

#### Peak table for sample 9 : 20 bp Ladder w dye 5 times dil

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 216       | 1.47          | 10.3              |              |
| 3    | 522       | 0.62          | 1.8               |              |
| 4    | 10,380    | 4.20          | 0.6               | Upper Marker |



#### Overall Results for sample 10 : H2 + 20 bp Ladder w dye 5 time

Number of peaks found: 3

#### Peak table for sample 10 : H2 + 20 bp Ladder w dye 5 times dil

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 50        | 8.30          | 251.5             | Lower Marker |
| 2    | 158       | 7.14          | 68.5              |              |
| 3    | 217       | 2.00          | 14.0              |              |
| 4    | 521       | 0.74          | 2.2               |              |
| 5    | 10,380    | 4.20          | 0.6               | Upper Marker |

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**Gel Image**