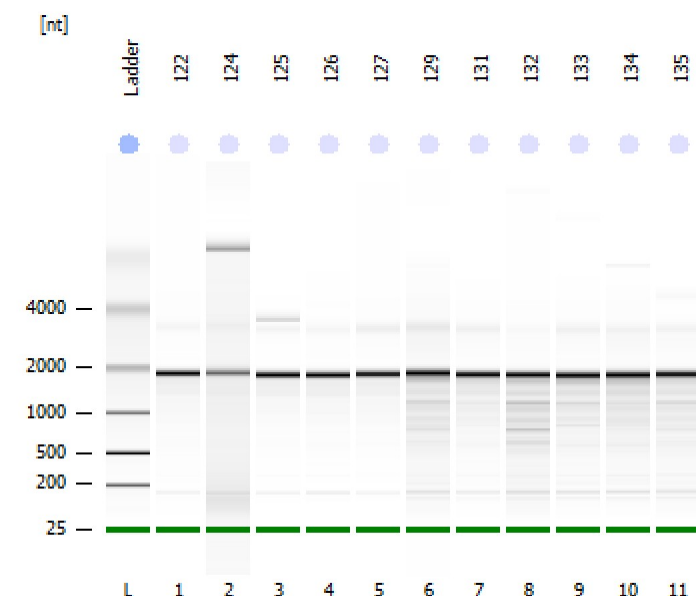


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_09-43-39.xad

Created: 1/29/2016 9:43:39 AM
Modified: 1/29/2016 3:33:00 PM

Electrophoresis File Run Summary



Instrument Information:

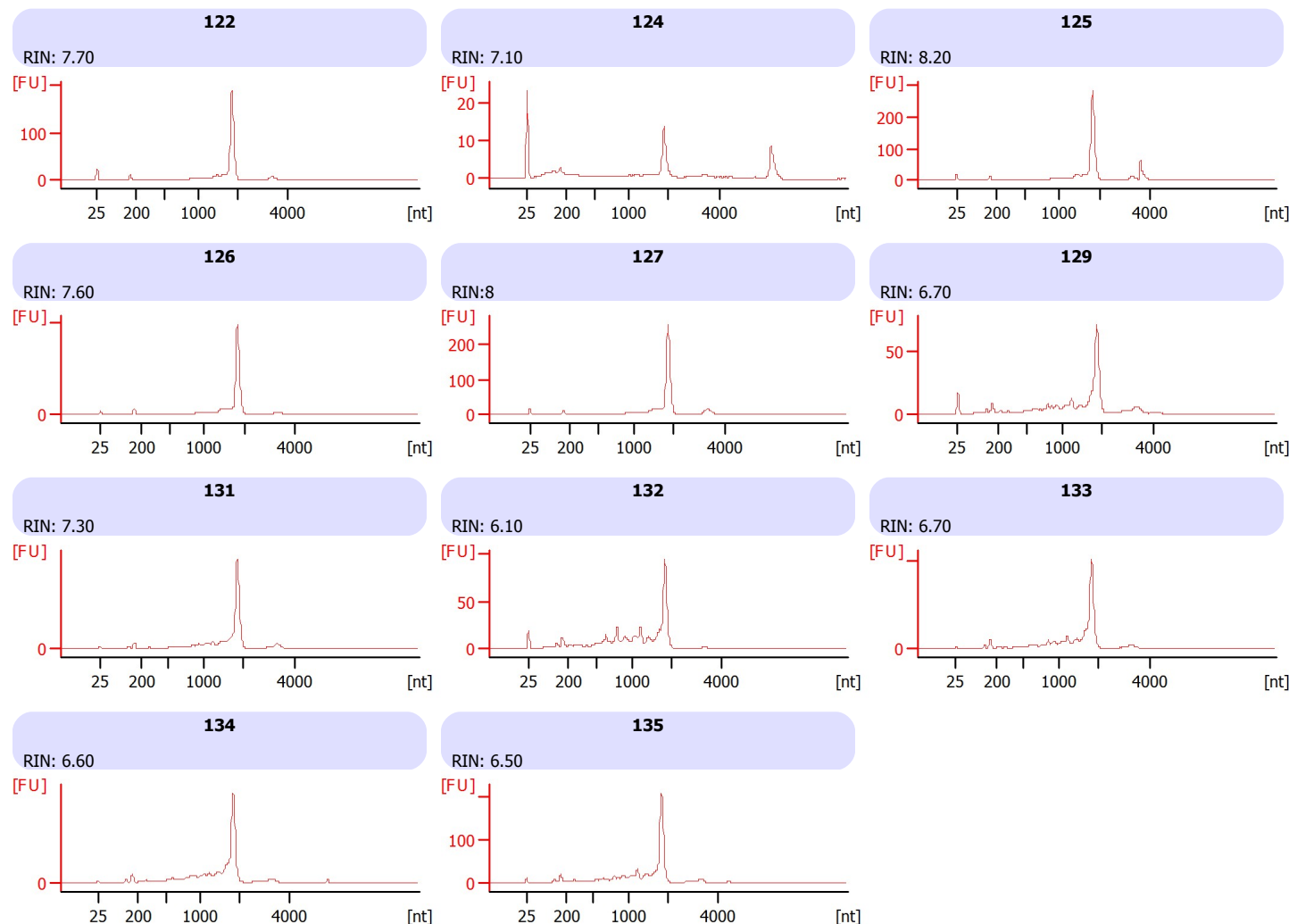
Instrument Name: Bioanalyzer
Serial#: DE20901668
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_09-43-39.xad

Created: 1/29/2016 9:43:39 AM
Modified: 1/29/2016 3:33:00 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 122 | | ✓ | RIN: 7.70 | |
| 124 | | ✓ | RIN: 7.10 | |
| 125 | | ✓ | RIN: 8.20 | |
| 126 | | ✓ | RIN: 7.60 | |
| 127 | | ✓ | RIN:8 | |
| 129 | | ✓ | RIN: 6.70 | |
| 131 | | ✓ | RIN: 7.30 | |
| 132 | | ✓ | RIN: 6.10 | |
| 133 | | ✓ | RIN: 6.70 | |
| 134 | | ✓ | RIN: 6.60 | |
| 135 | | ✓ | RIN: 6.50 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

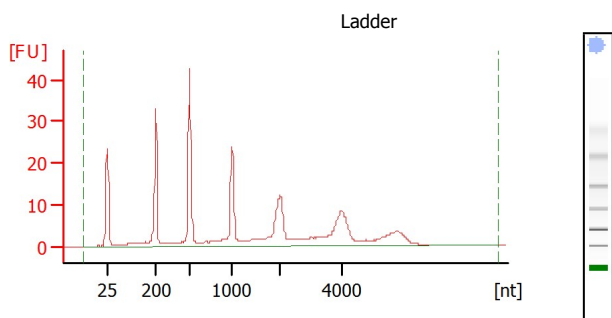
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_09-43-39.xad

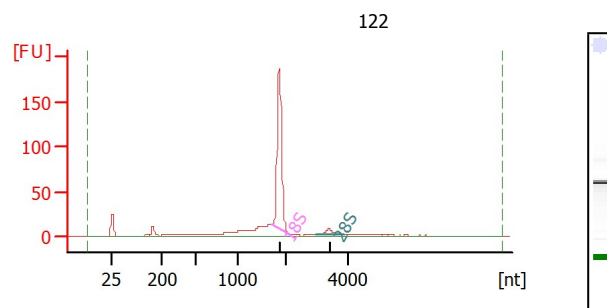
Created: 1/29/2016 9:43:39 AM
Modified: 1/29/2016 3:33:00 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 266.2
RNA Concentration: 1,000 pg/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

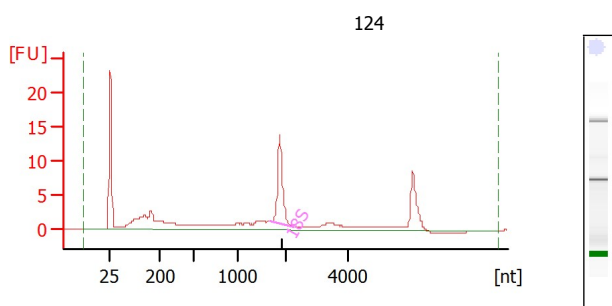


Overall Results for sample 1 : 122

RNA Area: 526.9
RNA Concentration: 1,979 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.70

Fragment table for sample 1 : 122

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,715 | 2,110 | 257.4 | 48.9 |
| 28S | 2,977 | 3,844 | 13.8 | 2.6 |

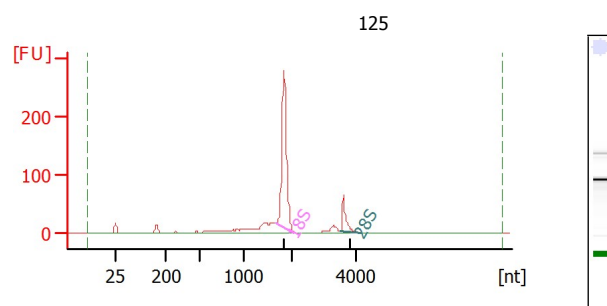


Overall Results for sample 2 : 124

RNA Area: 107.9
RNA Concentration: 405 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.10

Fragment table for sample 2 : 124

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,687 | 2,261 | 20.3 | 18.8 |



Overall Results for sample 3 : 125

RNA Area: 839.2
RNA Concentration: 3,153 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8.20

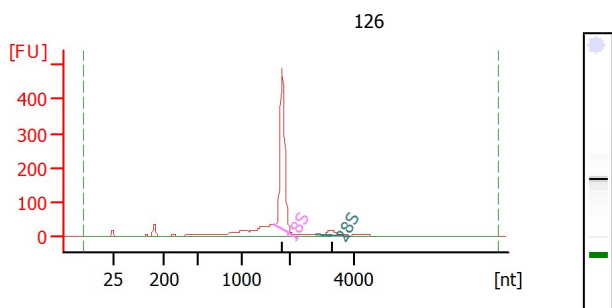
Fragment table for sample 3 : 125

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,674 | 2,050 | 411.4 | 49.0 |
| 28S | 3,540 | 4,179 | 60.1 | 7.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_09-43-39.xad

Created: 1/29/2016 9:43:39 AM
Modified: 1/29/2016 3:33:00 PM

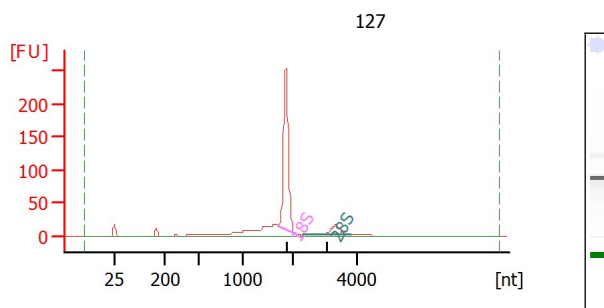
Electropherogram Summary Continued ...



Overall Results for sample 4 : 126
RNA Area: 1,391.6
RNA Concentration: 5,228 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Fragment table for sample 4 : 126

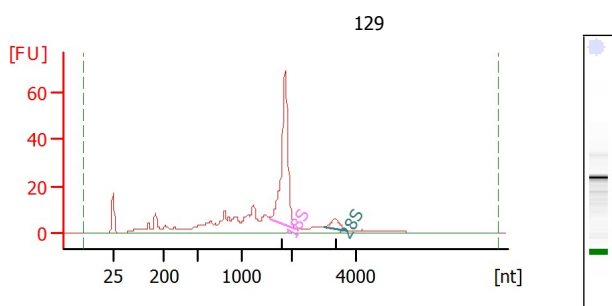
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,679 | 2,053 | 692.6 | 49.8 |
| 28S | 2,767 | 3,837 | 37.9 | 2.7 |



Overall Results for sample 5 : 127
RNA Area: 715.5
RNA Concentration: 2,688 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 8 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 8

Fragment table for sample 5 : 127

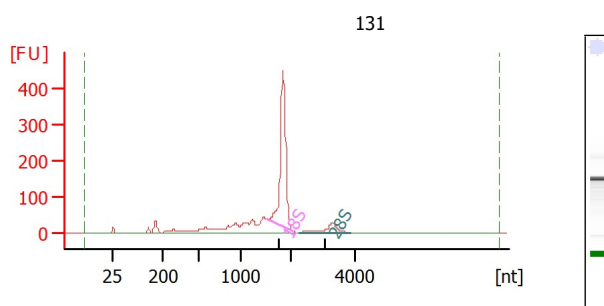
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,698 | 2,081 | 361.1 | 50.5 |
| 28S | 2,291 | 3,792 | 43.3 | 6.1 |



Overall Results for sample 6 : 129
RNA Area: 396.9
RNA Concentration: 1,491 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.70

Fragment table for sample 6 : 129

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,553 | 2,133 | 131.3 | 33.1 |
| 28S | 3,030 | 3,795 | 10.3 | 2.6 |



Overall Results for sample 7 : 131
RNA Area: 1,755.8
RNA Concentration: 6,596 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 7.30

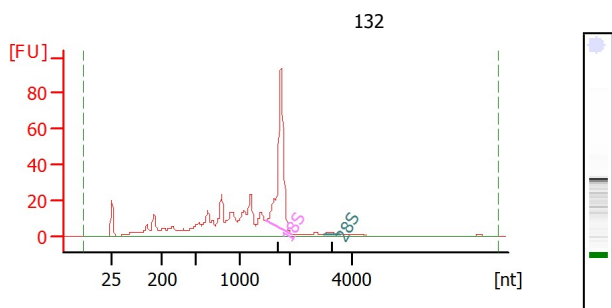
Fragment table for sample 7 : 131

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,533 | 2,091 | 739.1 | 42.1 |
| 28S | 2,264 | 3,880 | 79.7 | 4.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE20901668_2016-01-29_09-43-39.xad

Created: 1/29/2016 9:43:39 AM
Modified: 1/29/2016 3:33:00 PM

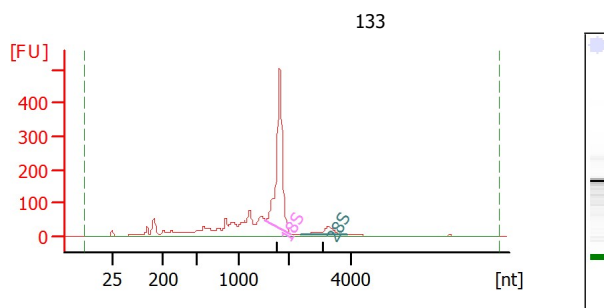
Electropherogram Summary Continued ...



Overall Results for sample 8 : 132
RNA Area: 586.3
RNA Concentration: 2,202 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.1 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.10

Fragment table for sample 8 : 132

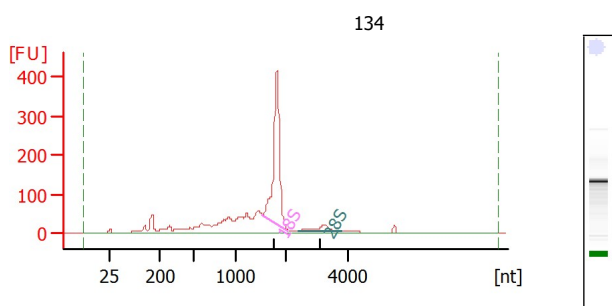
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,532 | 2,064 | 159.2 | 27.2 |
| 28S | 3,126 | 3,604 | 1.9 | 0.3 |



Overall Results for sample 9 : 133
RNA Area: 2,434.5
RNA Concentration: 9,145 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.7 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.70

Fragment table for sample 9 : 133

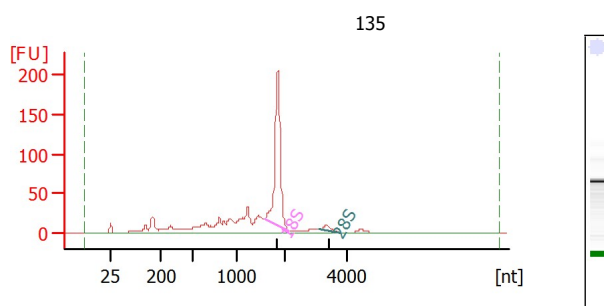
| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,537 | 2,062 | 890.6 | 36.6 |
| 28S | 2,409 | 3,849 | 82.7 | 3.4 |



Overall Results for sample 10 : 134
RNA Area: 2,232.2
RNA Concentration: 8,385 pg/μl
rRNA Ratio [28s / 18s]: 0.1
RNA Integrity Number (RIN): 6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.60

Fragment table for sample 10 : 134

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,540 | 2,086 | 734.7 | 32.9 |
| 28S | 2,382 | 3,805 | 64.7 | 2.9 |



Overall Results for sample 11 : 135
RNA Area: 996.4
RNA Concentration: 3,743 pg/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): 6.5 (B.02.08, Anomaly Threshold(s) manually adapted)
Result Flagging Color:
Result Flagging Label: RIN: 6.50

Fragment table for sample 11 : 135

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,564 | 2,099 | 336.8 | 33.8 |
| 28S | 3,081 | 3,767 | 14.0 | 1.4 |