

Assay Class: mRNA Pico  
Data Path: C:\...lyzer\2100 expert\data\2017-04-12\2017-04-12\_001\_LVR\_B7.xad

Created: 4/12/2017 12:28:09 PM  
Modified: 4/12/2017 12:57:36 PM

**Electrophoresis File Run Summary**

Instrument Information:

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

Assay Information:

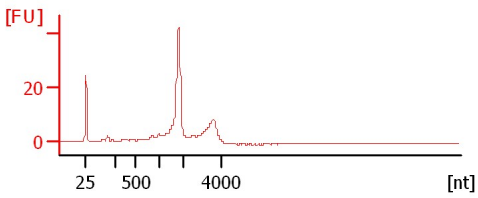
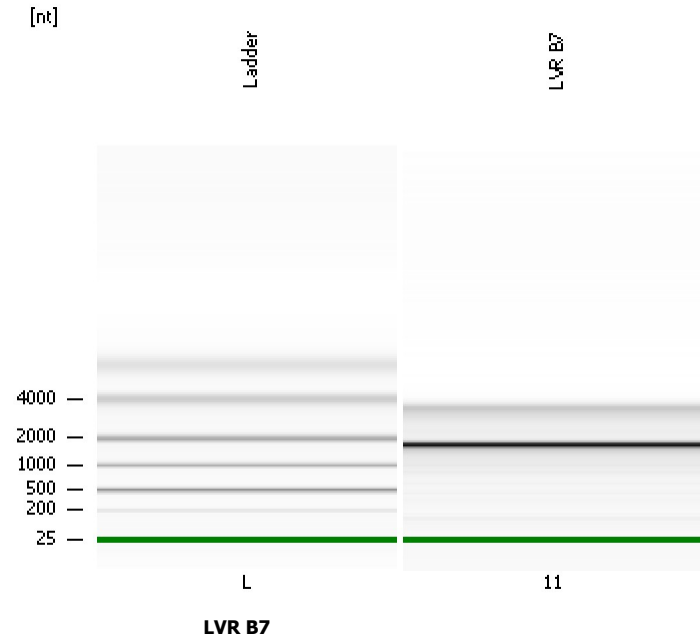
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico  
Version: 2.6  
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
LVR B7		✓		
Ladder		✓		

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

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**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 14  
Maximum Visible Range [s] : 85  
Start Analysis Time Range [s] : 15  
End Analysis Time Range [s] : 84  
Ladder Concentration [pg/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 15  
Integration End Time [s] : 84  
Slope Threshold : 0.2  
Height Threshold [FU] : 0.5  
Area Threshold : 0.1  
Width Threshold [s] : 0.2  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

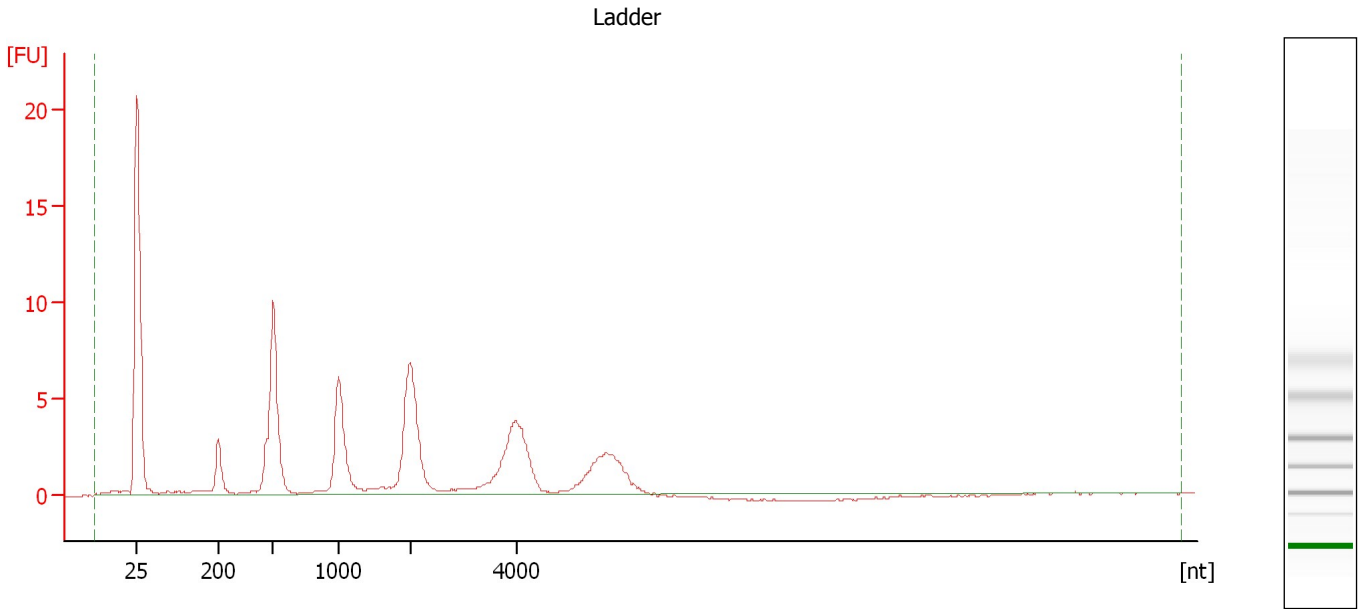
**Ladder**

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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**Electropherogram Summary**



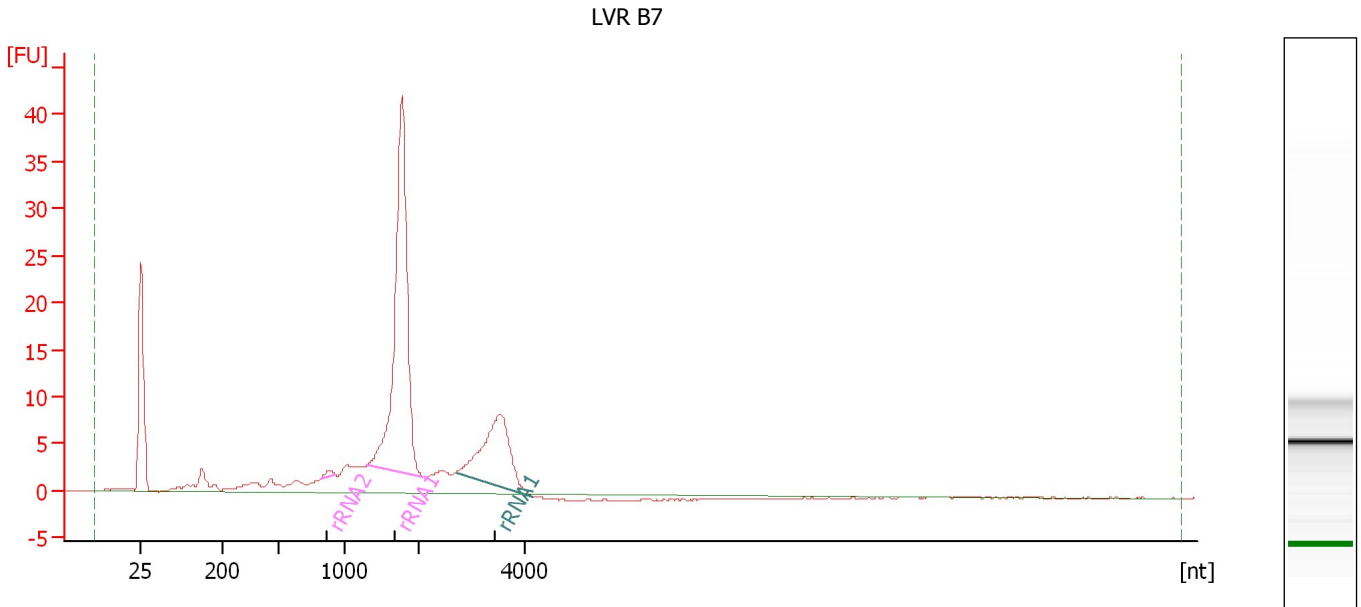
**Overall Results for Ladder**

RNA Area: 101.5                      RNA Concentration: 1,000 pg/μl

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : LVR B7**

RNA Area: 232.1                      rRNA Contamination: 60.4 %  
RNA Concentration: 2,286 pg/μl

**Fragment table for sample 11 : LVR B7**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	811	919	1.1	0.5
rRNA1	1,302	2,095	102.0	43.9
rRNA1	2,708	4,158	37.0	15.9

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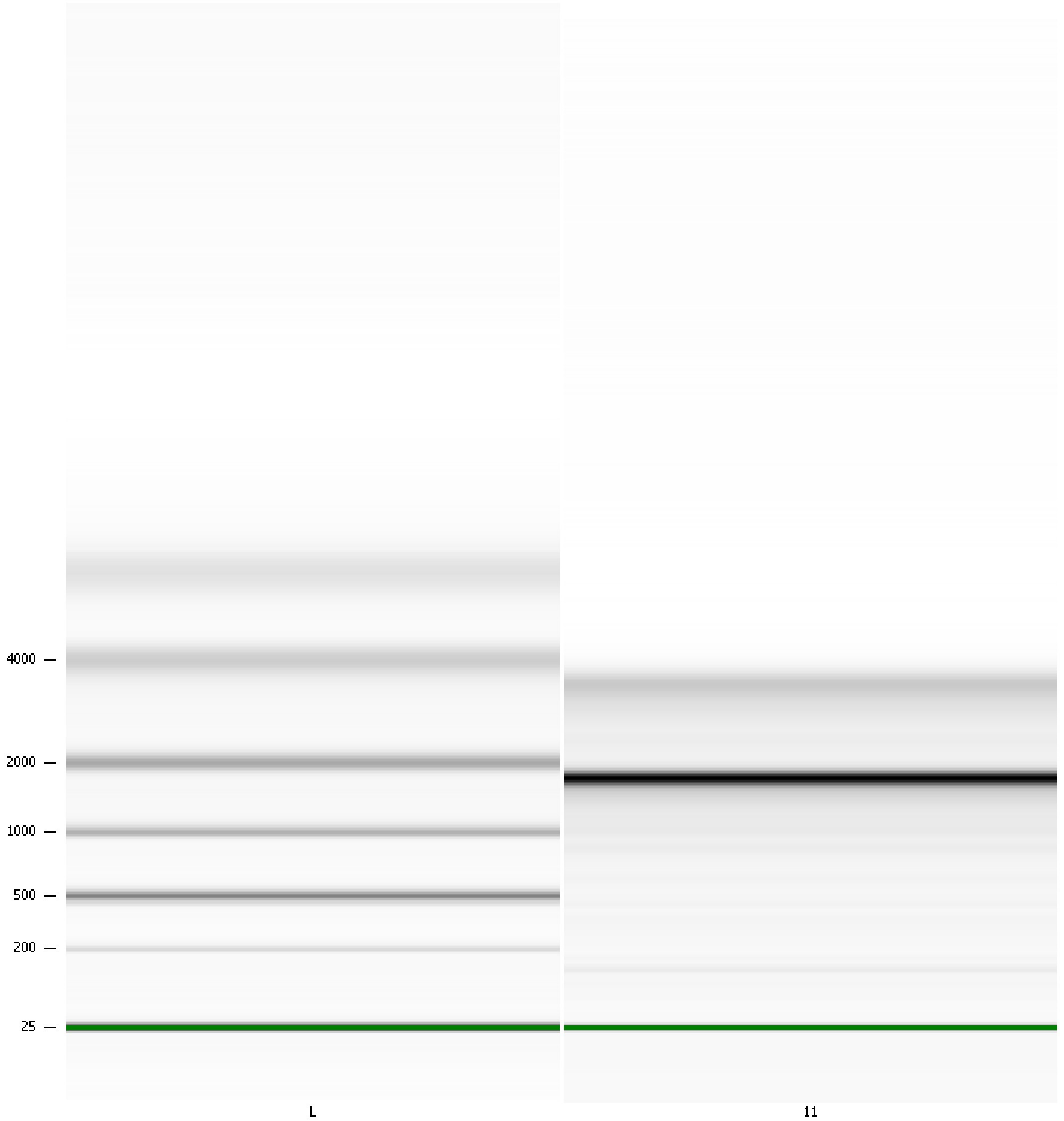
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**Gel Image**

[nt]

Ladder

LVR B7



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**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		4/12/2017 12:54:02 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-04-12\2017-04-12_001.xad)		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/12/2017 12:28:15 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1