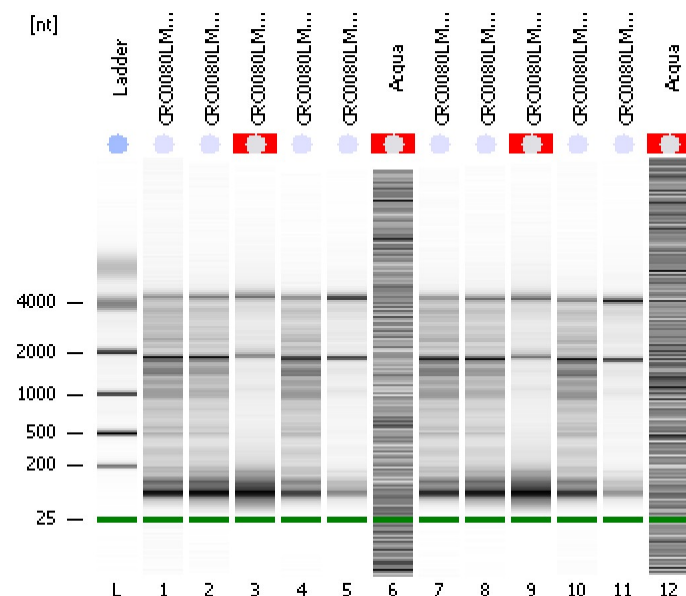


Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\..._EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE24802676
Serial#: DE24802676

Firmware: C.01.069
Type: G2938B

Assay Information:

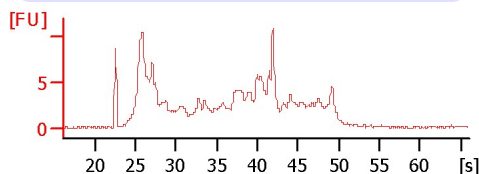
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Title: Eukaryote Total RNA Nano Series II
Version: 2.5
Assay Comments: Copyright © 2003-2006 Agilent Technologies

Chip Information:

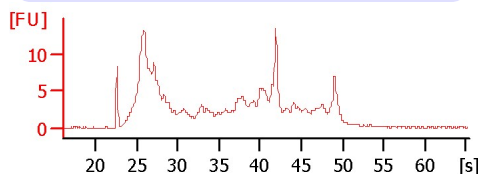
Chip Lot:
Reagent Kit Lot:
Chip Comments:

CRC0080LMX0B07225TUMRL0200

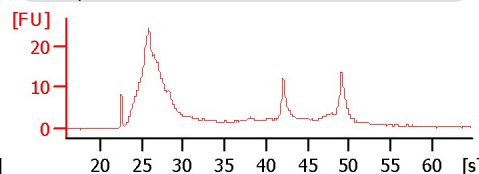
SML
RIN: 4.40

**CRC0080LMX0B07227TUMRL0100**

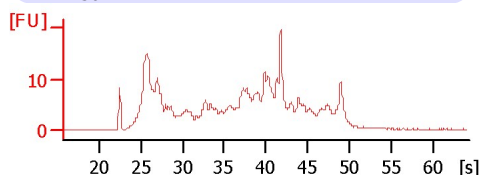
SML
RIN: 4.70

**CRC0080LMX0B07229TUMRL0100**

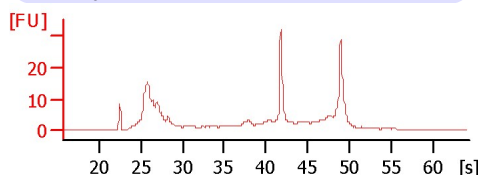
SML
RIN N/A

**CRC0080LMX0B07246TUMRL0100**

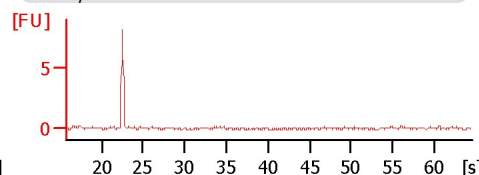
SML
RIN: 4.30

**CRC0080LMX0B07264TUMRL0100**

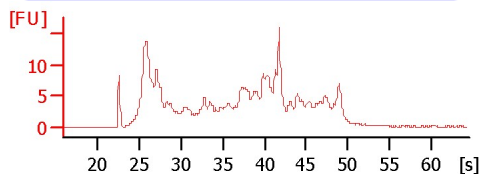
SML
RIN: 7.20

**Acqua**

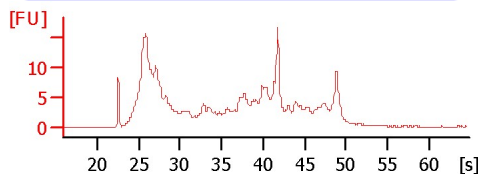
RIN N/A

**CRC0080LMX0B07225TUMRL0200**

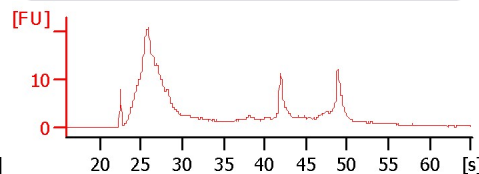
SML
RIN: 4.30

**CRC0080LMX0B07227TUMRL0100**

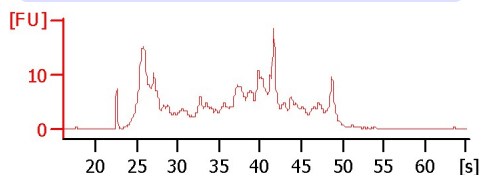
SML
RIN: 4.70

**CRC0080LMX0B07229TUMRL0100**

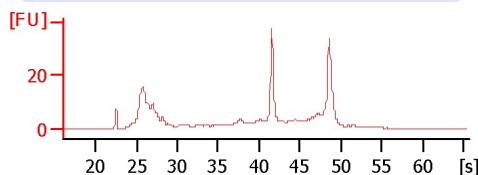
SML
RIN N/A

**CRC0080LMX0B07246TUMRL0100**

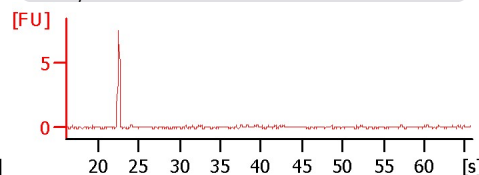
SML
RIN: 4.30

**CRC0080LMX0B07264TUMRL0100**

SML
RIN: 7.20

**Acqua**

RIN N/A



Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electrophoresis File Run Summary (Chip Summary)

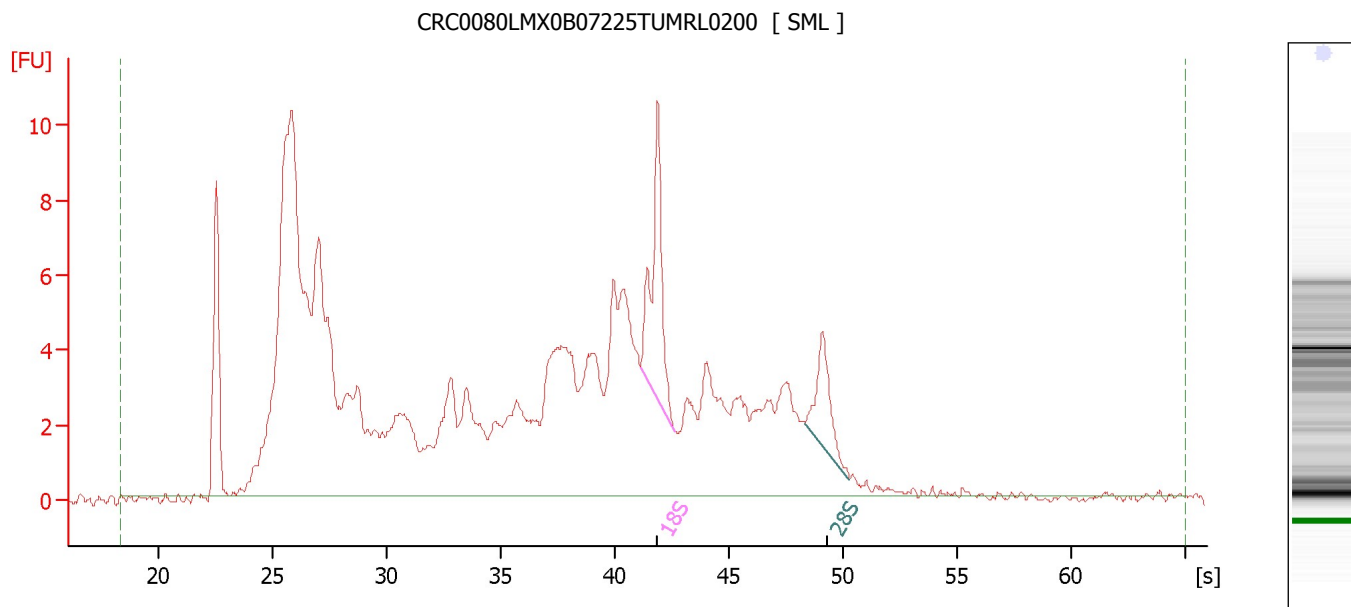
Sample Name	Sample Comment	Status	Result Label	Result Color
CRC0080LMX0B07225TUMRL0200	SML	✓	RIN: 4.40	
CRC0080LMX0B07227TUMRL0100	SML	✓	RIN: 4.70	
CRC0080LMX0B07229TUMRL0100	SML	✓	RIN N/A	
CRC0080LMX0B07246TUMRL0100	SML	✓	RIN: 4.30	
CRC0080LMX0B07264TUMRL0100	SML	✓	RIN: 7.20	
Acqua		✓	RIN N/A	
CRC0080LMX0B07225TUMRL0200	SML	✓	RIN: 4.30	
CRC0080LMX0B07227TUMRL0100	SML	✓	RIN: 4.70	
CRC0080LMX0B07229TUMRL0100	SML	✓	RIN N/A	
CRC0080LMX0B07246TUMRL0100	SML	✓	RIN: 4.30	
CRC0080LMX0B07264TUMRL0100	SML	✓	RIN: 7.20	
Acqua		✓	RIN N/A	

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


Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary



Overall Results for sample 1 : CRC0080LMX0B07225TUMRL0200

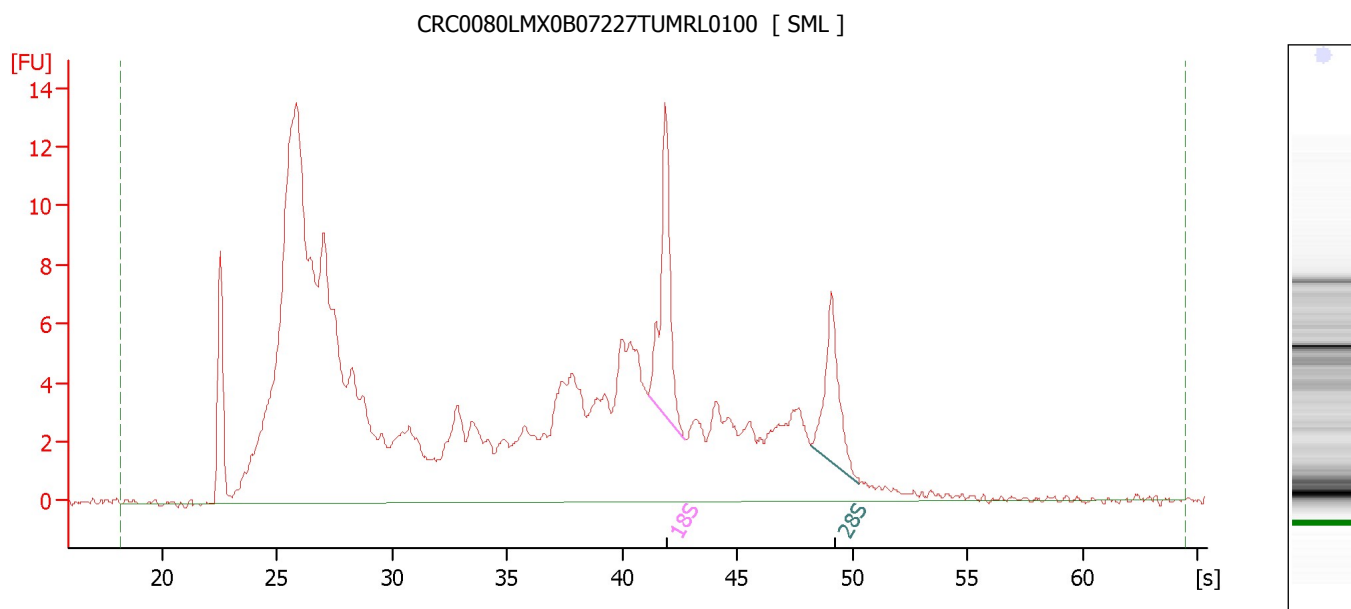
RNA Area:	231.5	RNA Integrity Number (RIN):	4.4 (A.01.01)
RNA Concentration:	132 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 4.40

Fragment table for sample 1 : CRC0080LMX0B07225TUMRL0200

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,053	9.6	4.2
28S	4,009	4,671	4.2	1.8

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...

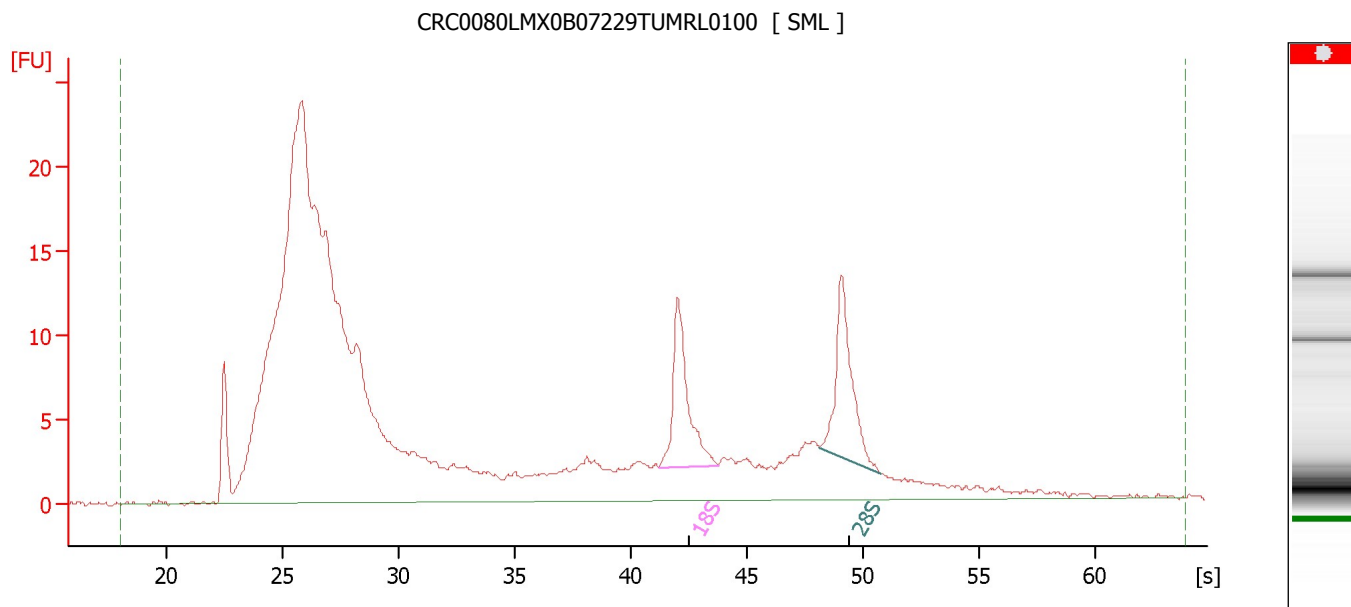
RNA Area: 289.9 RNA Integrity Number (RIN): 4.7 (A.01.01)
RNA Concentration: 165 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 4.70

Fragment table for sample 2 : CRC0080LMX0B07227TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,060	11.8	4.1
28S	3,951	4,672	7.8	2.7

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 3 : CRC0080LMX0B07229TUMRL0100**

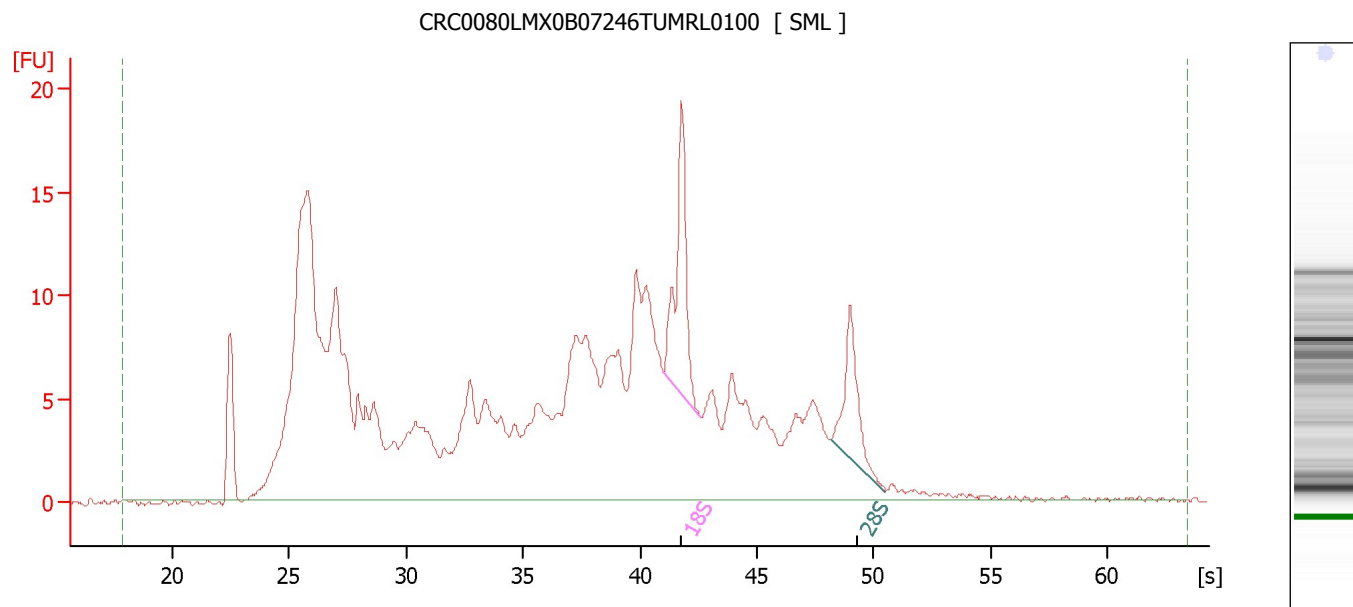
RNA Area:	432.9	RNA Integrity Number (RIN):	N/A (A.01.01)
RNA Concentration:	246 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN N/A

Fragment table for sample 3 : CRC0080LMX0B07229TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,448	17.1	3.9
28S	3,942	4,848	16.8	3.9

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

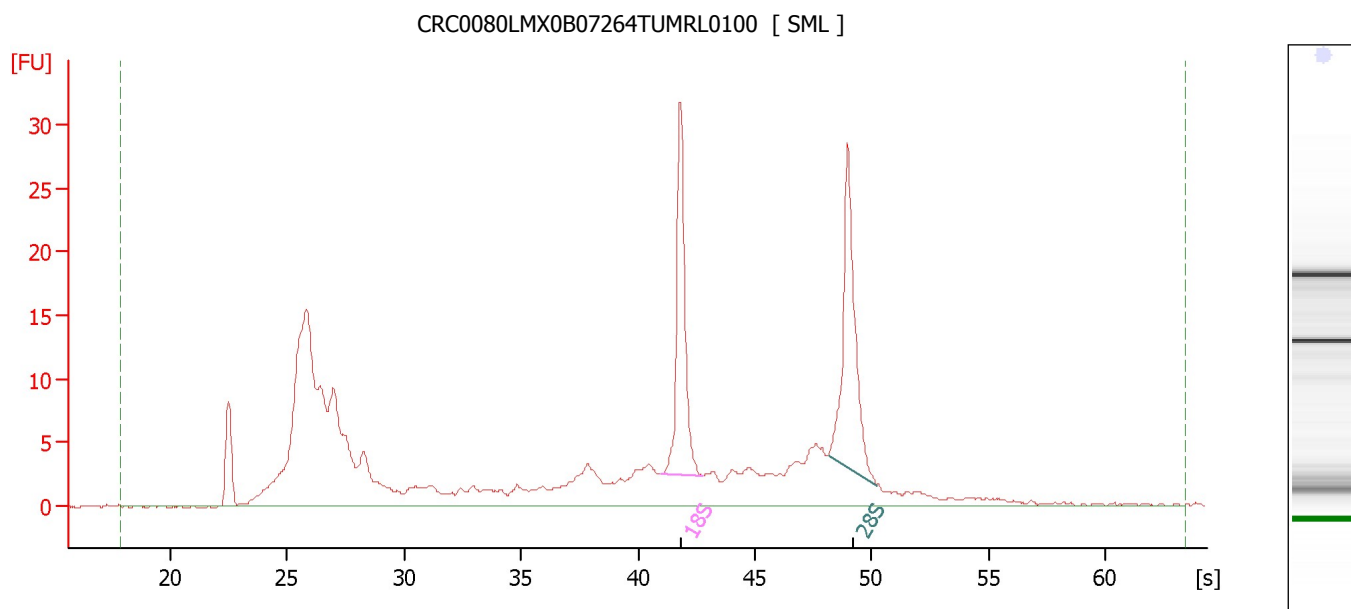
Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Fragment table for sample 4 : CRC0080LMX0B07246TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,042	16.0	4.0
28S	3,933	4,753	9.7	2.4

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

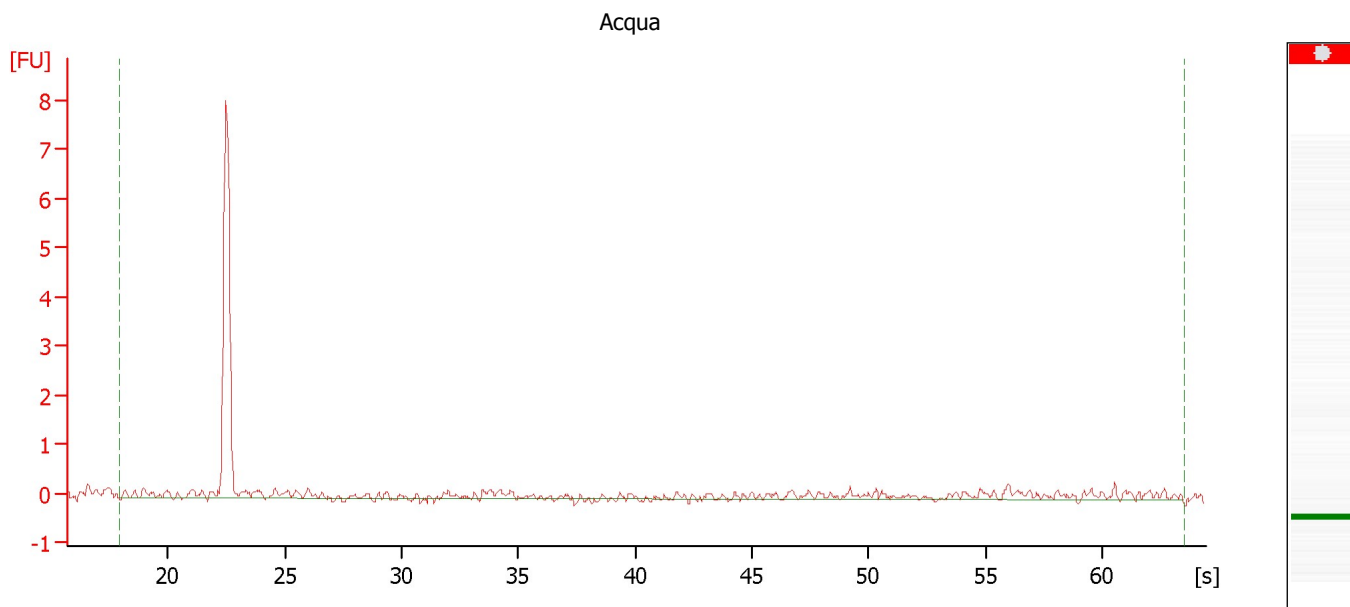
Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Fragment table for sample 5 : CRC0080LMX0B07264TUMRL0100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,089	27.2	9.2
28S	3,933	4,642	30.4	10.3

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

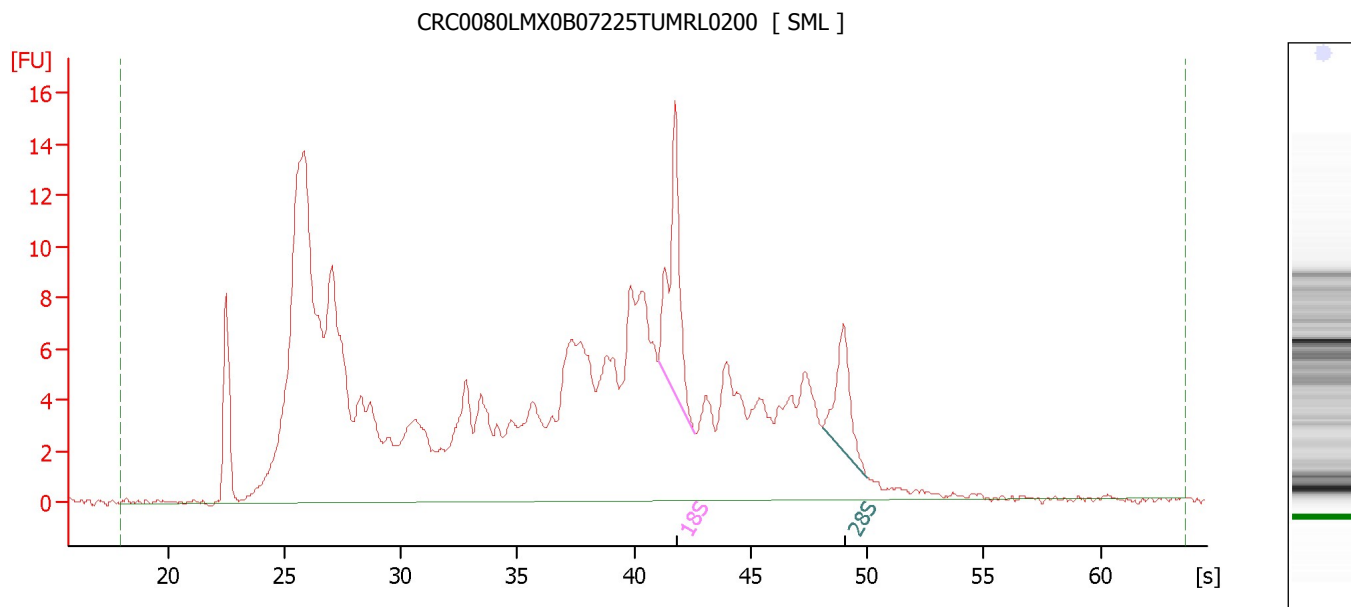
Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Acqua**

RNA Area:	8.6	RNA Integrity Number (RIN):	N/A (A.01.01)
RNA Concentration:	5 ng/ μ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 7 : CRC0080LMX0B07225TUMRL0200**

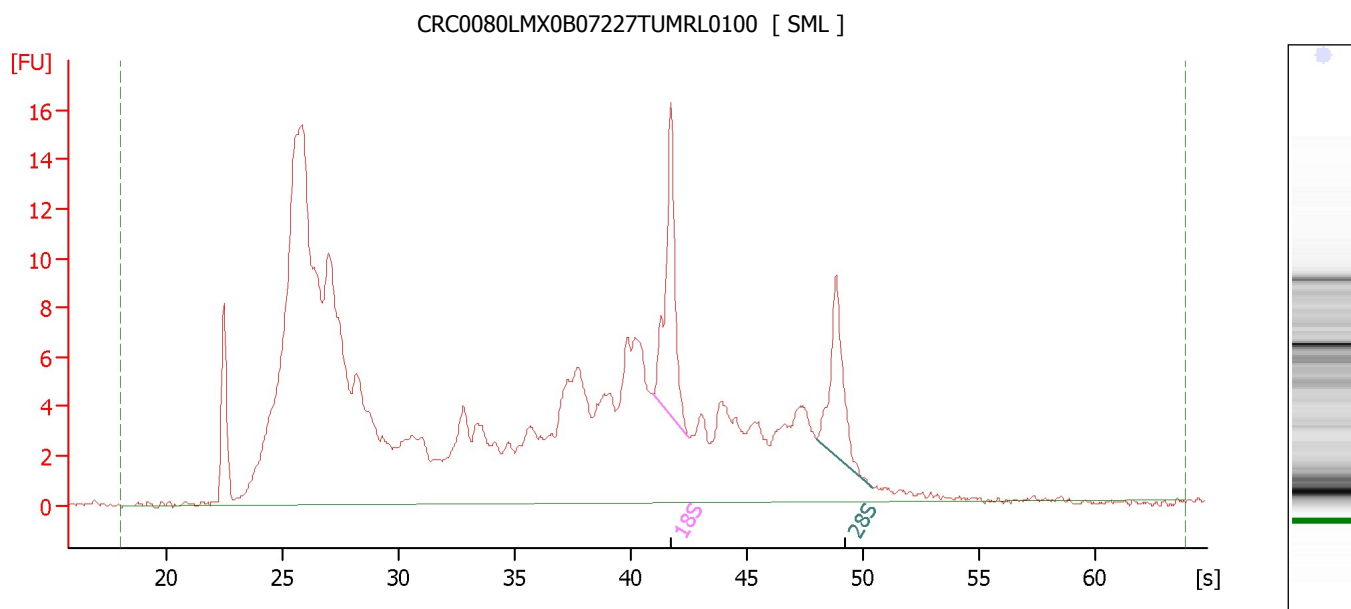
RNA Area:	338.6	RNA Integrity Number (RIN):	4.3 (A.01.01)
RNA Concentration:	193 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.30

Fragment table for sample 7 : CRC0080LMX0B07225TUMRL0200

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	2,038	13.9	4.1
28S	3,922	4,571	6.8	2.0

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : CRC0080LMX0B07227TUMRL0100**

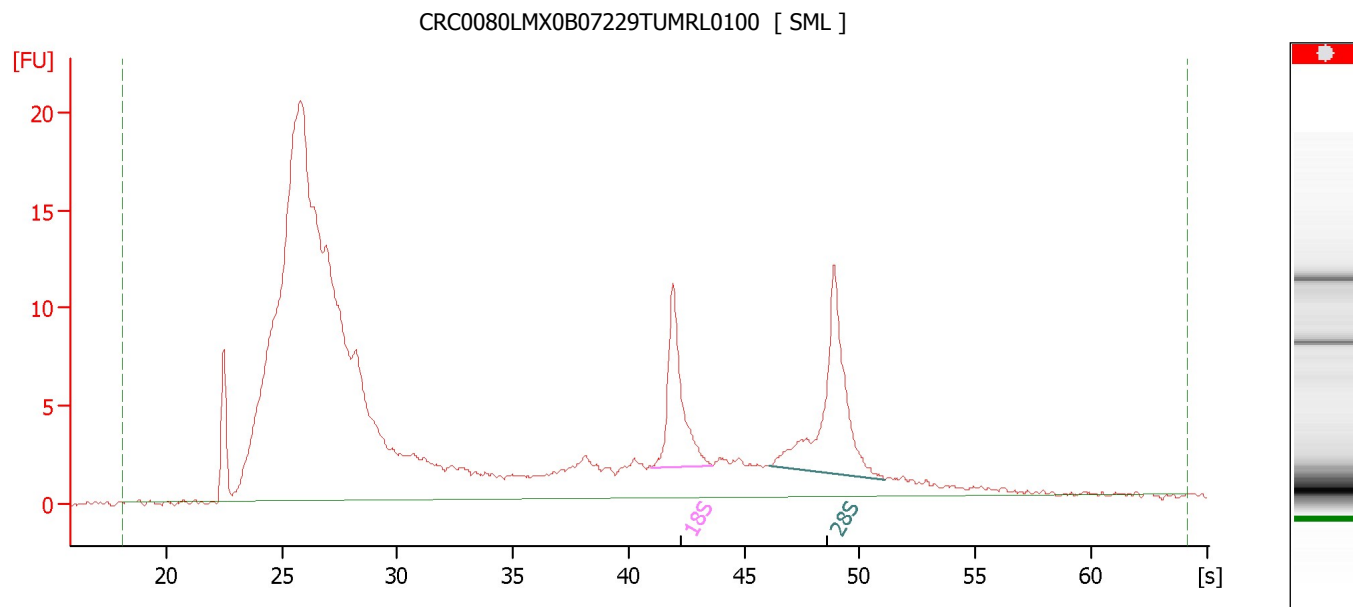
RNA Area:	345.1	RNA Integrity Number (RIN):	4.7 (A.01.01)
RNA Concentration:	196 ng/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.70


Fragment table for sample 8 : CRC0080LMX0B07227TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,003	14.2	4.1
28S	3,894	4,721	9.6	2.8

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 9 : CRC0080LMX0B07229TUMRL0100**

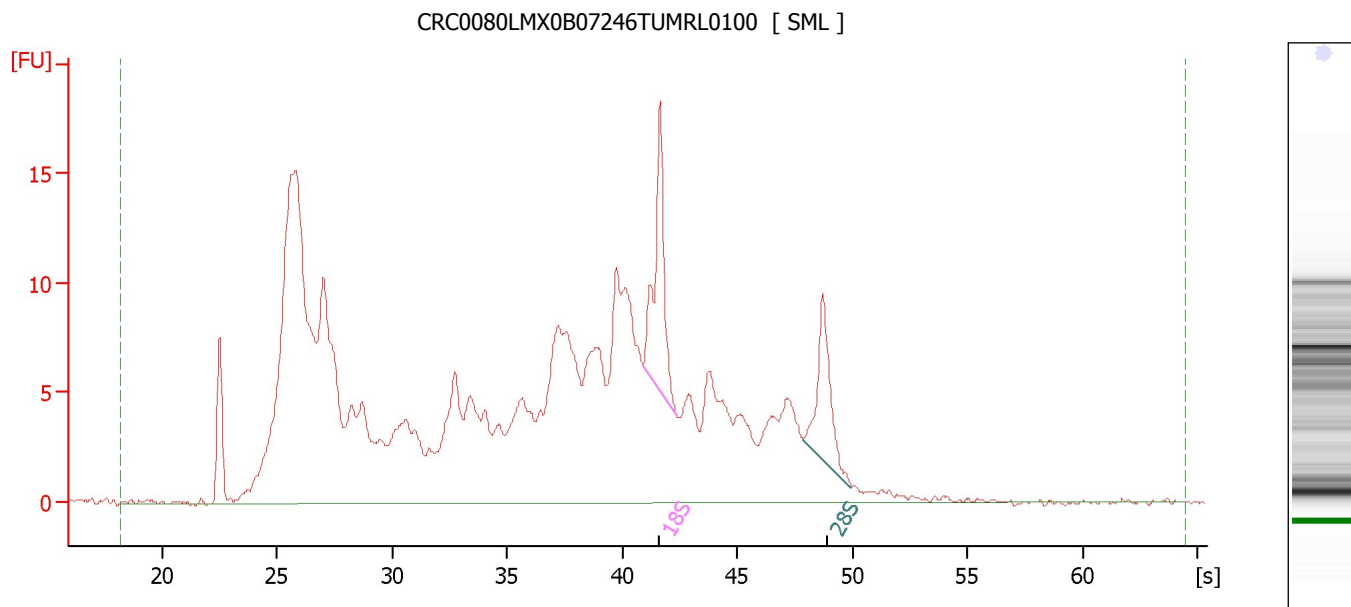
RNA Area:	357.6	RNA Integrity Number (RIN):	N/A (A.01.01)
RNA Concentration:	204 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN N/A


Fragment table for sample 9 : CRC0080LMX0B07229TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,399	14.9	4.2
28S	3,228	4,952	23.0	6.4

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 10 : CRC0080LMX0B07246TUMRL0100**

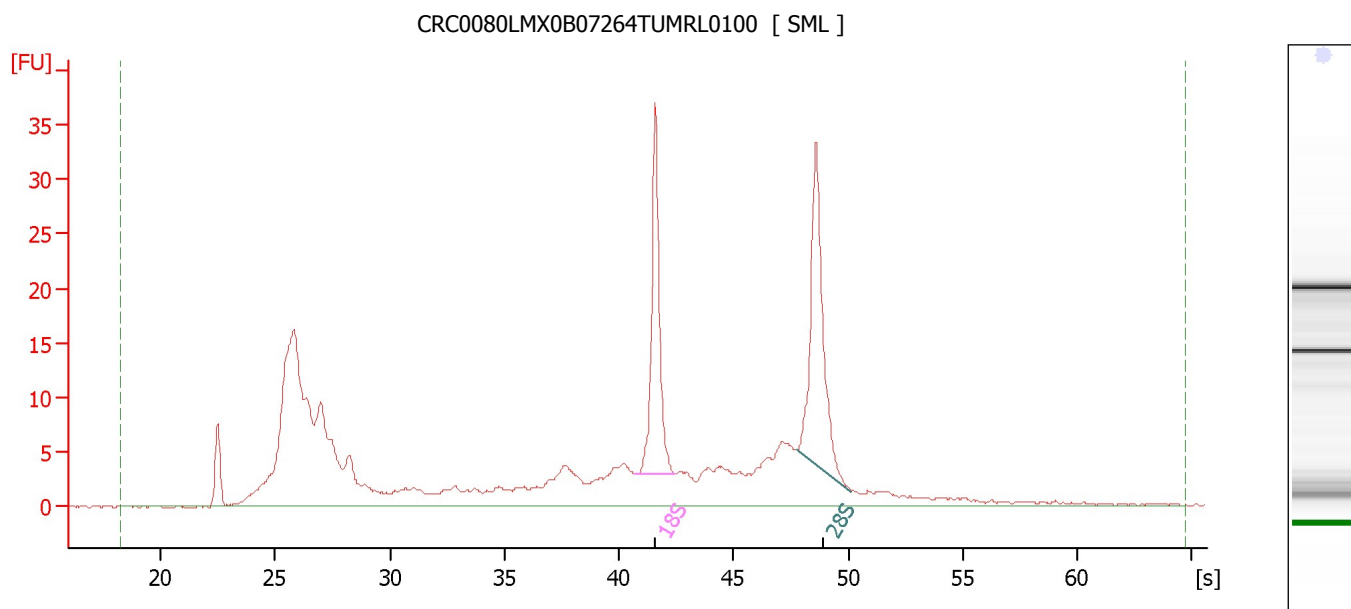
RNA Area:	395.0	RNA Integrity Number (RIN):	4.3 (A.01.01)
RNA Concentration:	225 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 4.30

Fragment table for sample 10 : CRC0080LMX0B07246TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	1,970	14.9	3.8
28S	3,839	4,560	9.7	2.5

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...

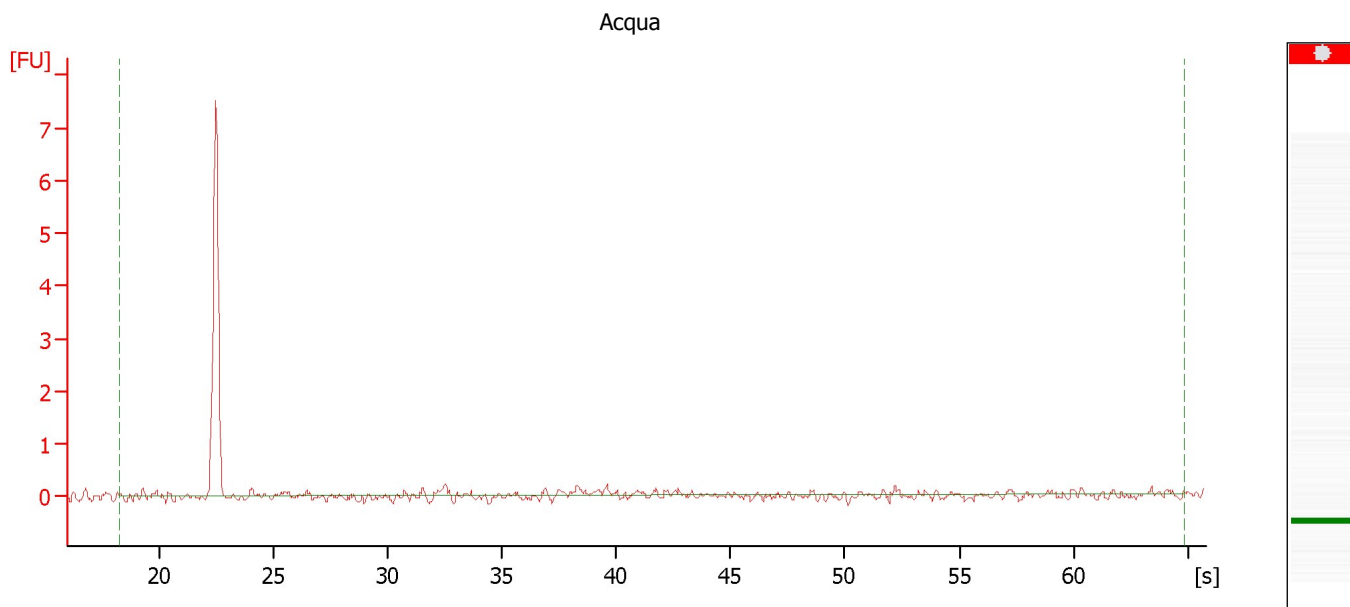
RNA Area: 333.1 RNA Integrity Number (RIN): 7.2 (A.01.01)
RNA Concentration: 190 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 7.20

Fragment table for sample 11 : CRC0080LMX0B07264TUMRL0100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,986	31.8	9.6
28S	3,811	4,631	36.5	11.0

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Acqua**

RNA Area:	2.0	RNA Integrity Number (RIN):	N/A (A.01.01)
RNA Concentration:	1 ng/ μ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: EukaryoteTotal RNA Nano
Data Path: C:\...\EukaryoteTotal RNA Nano_DE24802676_2014-12-18_16-24-47.xad

Created: 12/18/2014 4:24:48 PM
Modified: 12/19/2014 10:46:08 AM

Gel Image