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Ref: Quote 1201 - XXX

RNA Quality Control Report

GLOBAL QC RESULT..... PASSED

RNA Integrity Number PASSED

28s/18s ratio PASSED

Amount PASSED

GenoSplice estimates that your RNAs are good enough to be hybridized on chips (with replacement of sample "2 (old)" by sample "2").

Details of the main QC analyses are detailed in the following pages.

GenoSplice Quality Control policy

In the case of the "GLOBAL QC" value is "PASSED", GenoSplice estimates that RNA quality is good enough to be further analyzed.

In the case of the "GLOBAL QC" value is "MEDIUM" or "FAILED", GenoSplice estimates that RNA quality is not good and that subsequent potential analysis results will not be relevant. Therefore, from our experience, we strongly advise you to perform new experiments to provide us new sample(s). If you don't, we decline all responsibilities relating to the analyses results.

Do not hesitate to contact us if you need more information:

- Email: contact@genosplice.com
- Phone: +33 (0) 1 57 27 68 39 / 42
- Fax: +33 (0) 1 57 27 68 31

The GenoSplice team

RNA Integrity Number

What does it measure?

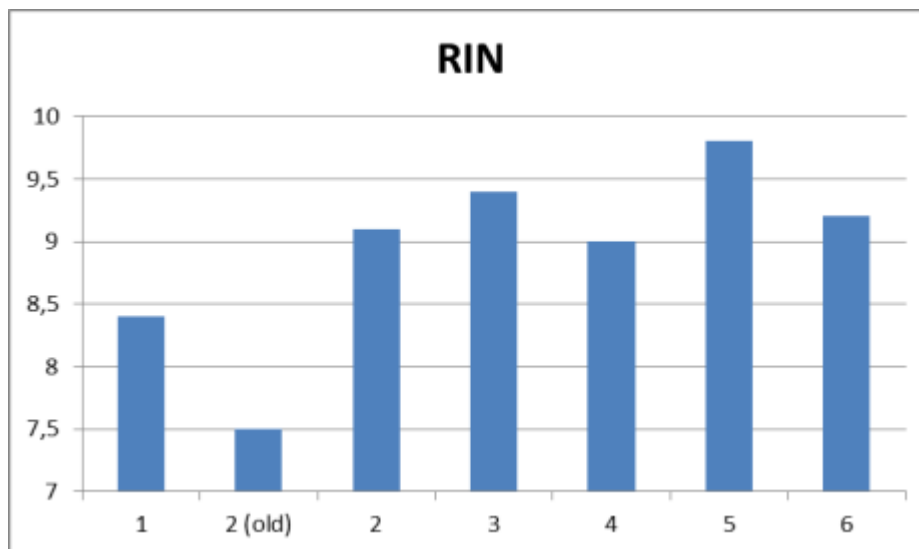
In order to standardize the process of RNA integrity interpretation, Agilent Technologies has introduced a new tool for RNA quality assessment. The RNA Integrity Number (RIN) was developed to remove individual interpretation in RNA quality control. It takes the entire electrophoretic trace into account. The RIN software algorithm allows for the classification of riboeukaryotic total RNA, based on a numbering system from 1 to 10, with 1 being the most degraded profile and 10 being the most intact. In this way, interpretation of an electropherogram is facilitated, comparison of samples is enabled and repeatability of experiments is ensured.

Expected value (EV) ≥ 7.6

Values*

Sample	Value	Result compared to EV
1	8.4	passed
2 (old)	7.5	medium
2	9.1	passed
3	9.4	passed
4	9.0	passed
5	9.8	passed
6	9.2	passed

*See also the “annexes” section to access the Agilent 2100 bioanalyzer profiles.



Conclusion: **PASSSED**

All sample values are above 7.6 except “2 (old)” that is replaced by “2”.

28s/18s ratio

What does it measure?

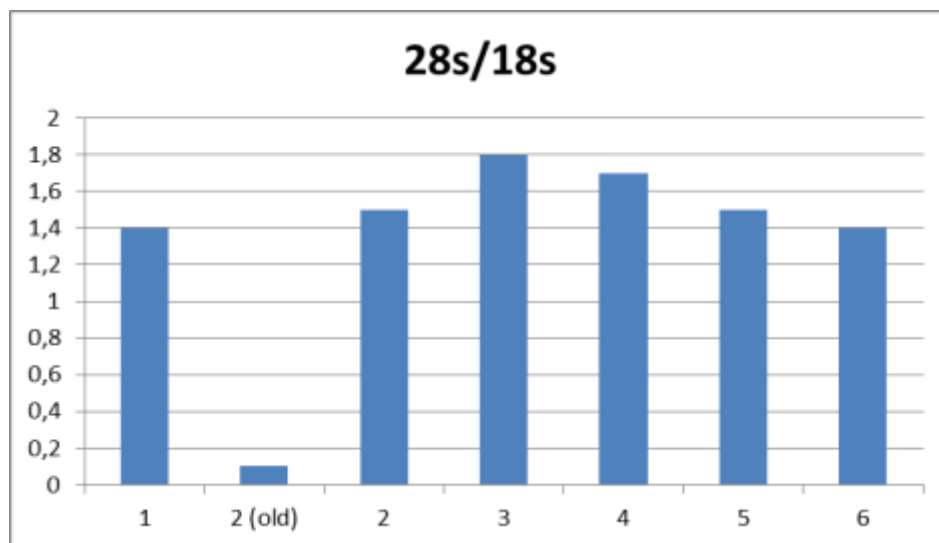
RNA degradation is assessed utilizing the 28s and 18s rRNA. The 28S/18S ratio is one of the key indicators of RNA quality.

Expected value (EV) ≥ 1.4

Values*

Sample	Value	Result compared to EV
1	1.4	passed
2 (old)	0.1	failed
2	1.5	passed
3	1.8	passed
4	1.7	passed
5	1.5	passed
6	1.4	passed

*See also the “annexes” section to access the Agilent 2100 bioanalyzer profiles.



Conclusion: **PASSED**

All sample values are above 1.4 except “2 (old)” that is replaced by “2”.

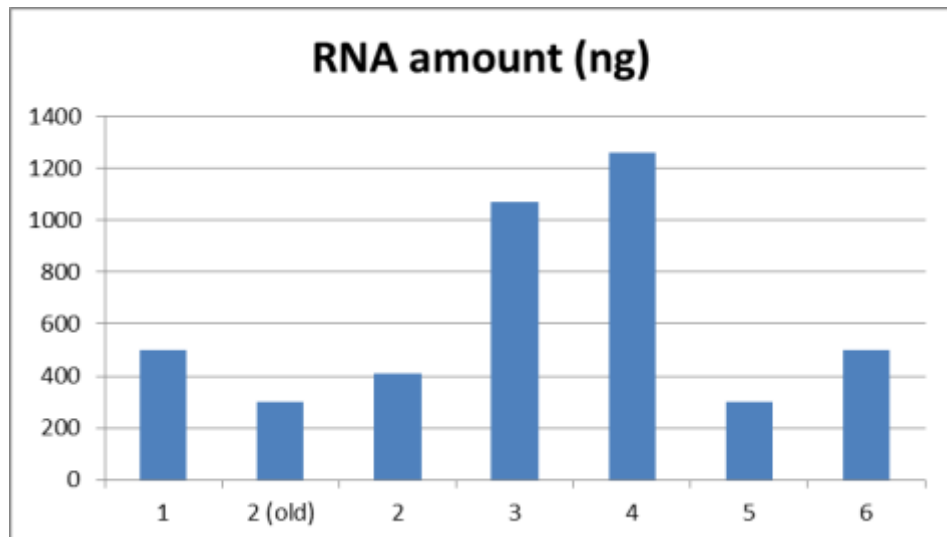
Amount

The sample is quantified on the Nanodrop ND-1000 Spectrophotometer.

Expected value (EV) ≥ 200 ng

Values

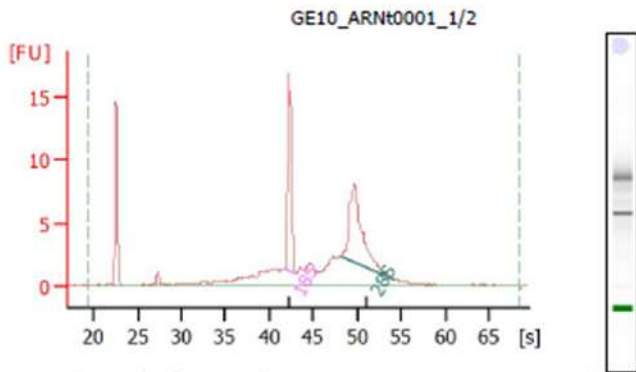
Sample	Value (ng)	Result compared to EV
1	500	passed
2 (old)	300	passed
2	410	passed
3	1070	passed
4	1260	passed
5	300	passed
6	500	passed



Conclusion: PASSED

There are at least 200 ng of RNA for all samples.

ANNEXES: AGILENT 2100 BIOANALYZER

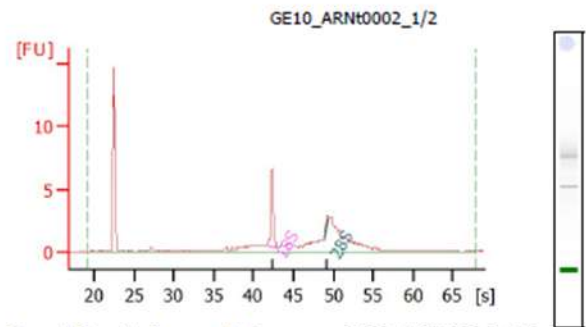


Overall Results for sample 1 : GE10_ARNT0001_1/2

RNA Area: 98,4
 RNA Concentration: 61 ng/µl
 rRNA Ratio [28s / 18s]: 1,4
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 1 : GE10_ARNT0001_1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,87	43,08	14,8	15,0
28S	48,18	54,19	20,8	21,1

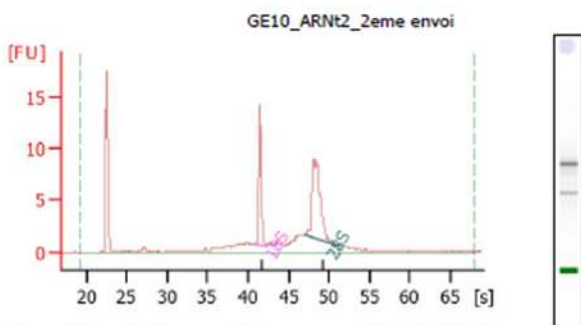


Overall Results for sample 2 : GE10_ARNT0002_1/2

RNA Area: 37,7
 RNA Concentration: 23 ng/µl
 rRNA Ratio [28s / 18s]: 0,1
 RNA Integrity Number (RIN): 7.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50

Fragment table for sample 2 : GE10_ARNT0002_1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,80	43,08	5,7	15,2
28S	48,84	49,43	0,8	1,7

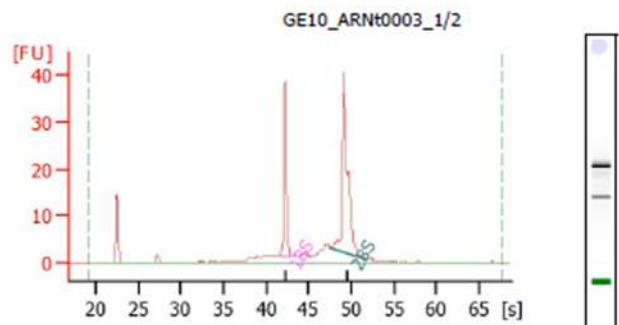


Overall Results for sample 3 : GE10_ARNT2_2eme envoi

RNA Area: 68,0
 RNA Concentration: 43 ng/µl
 rRNA Ratio [28s / 18s]: 1,5
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 3 : GE10_ARNT2_2eme envoi

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40,90	42,38	11,9	17,6
28S	46,97	51,37	18,4	27,0

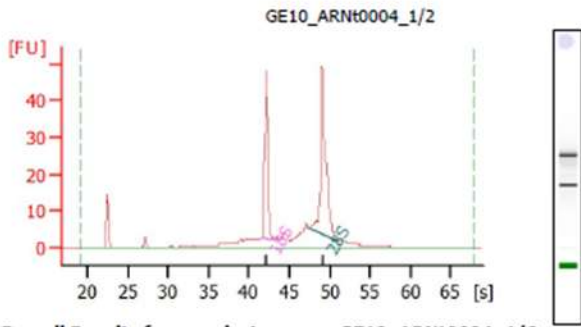


Overall Results for sample 3 : GE10_ARNT0003_1/2

RNA Area: 160,9
 RNA Concentration: 99 ng/µl
 rRNA Ratio [28s / 18s]: 1,8
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 3 : GE10_ARNT0003_1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,76	42,99	31,9	19,8
28S	47,51	51,44	58,4	36,3

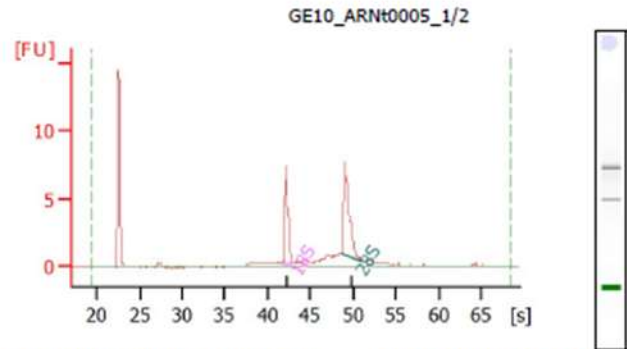


Overall Results for sample 4 : GE10 ARNT0004 1/2

RNA Area: 225,0
 RNA Concentration: 139 ng/µl
 rRNA Ratio [28s / 18s]: 1,7
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:9

Fragment table for sample 4 : GE10 ARNT0004 1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,65	42,93	41,1	18,3
28S	47,56	51,20	69,8	30,9

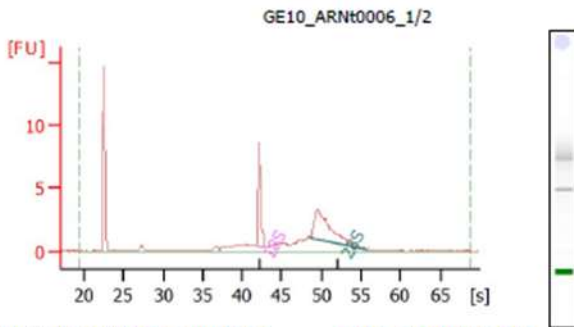


Overall Results for sample 5 : GE10 ARNT0005 1/2

RNA Area: 30,5
 RNA Concentration: 19 ng/µl
 rRNA Ratio [28s / 18s]: 1,5
 RNA Integrity Number (RIN): 9,8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 5 : GE10 ARNT0005 1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,72	42,91	6,1	19,9
28S	48,68	51,11	9,3	30,4



Overall Results for sample 6 : GE10 ARNT0006 1/2

RNA Area: 43,0
 RNA Concentration: 27 ng/µl
 rRNA Ratio [28s / 18s]: 1,4
 RNA Integrity Number (RIN): 9,2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 6 : GE10 ARNT0006 1/2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41,66	42,95	7,5	17,5
28S	48,69	55,68	10,8	25,0