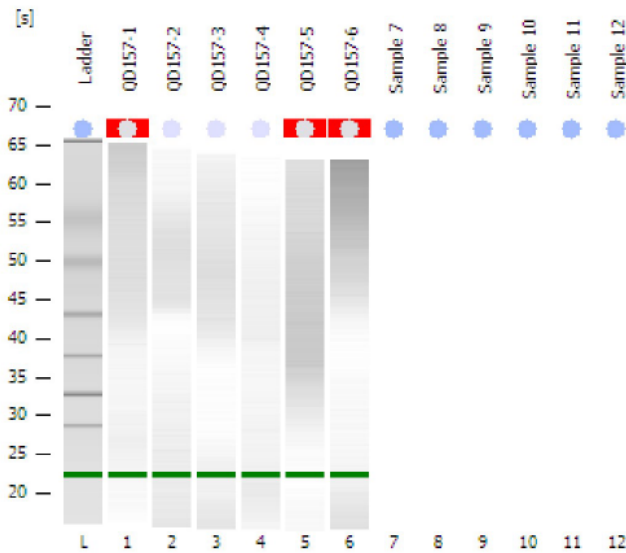


Summary:

RNA bioanalyzer



Instrument Information:

Instrument Name: DE34903222

Firmware: C.01.069

Serial#: DE34903222

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

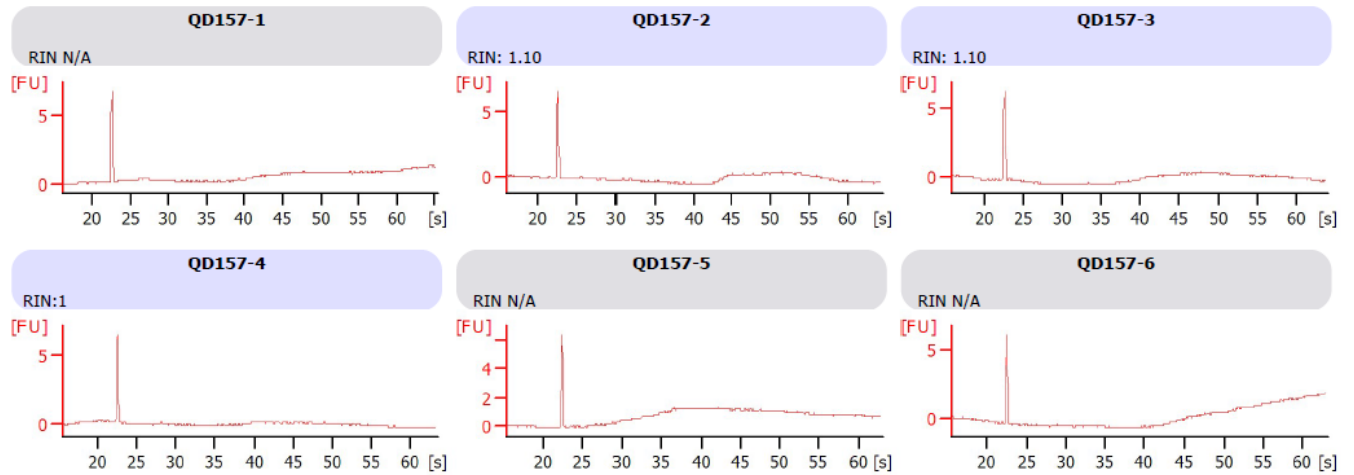
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Round 1

Total 200 ng RNA as input

QB ID	Sample ID	RNA Conc. (ng/ul)	RNA Adapter code	Adapter seq	Library Qubit conc. (ng/ul)
QD157-1	C2	391.1	Kapa-24index - adapter 11	GGCTACAT	0.162
QD157-2	T2	286.6	Kapa-24index - adapter 12	CTTGTAAT	0.174
QD157-3	C3	387.3	Kapa-24index - adapter 13	AGTCAACA	0.108
QD157-4	T3	257.3	Kapa-24index - adapter 14	AGTTCCGT	0.202
QD157-5	C4	235.8	Kapa-24index - adapter 15	ATGTCAGA	0.186
QD157-6	T4	203.7	Kapa-24index - adapter 16	CCGTCCCG	0.214

Round 2

Total 200 ng RNA as input , more cycles in library amplification

QB ID	Sample ID	RNA Conc. (ng/ul)	RNA Adapter code	Adapter seq	Qubit ng/ul (16 cycles)
QD157-1	C2	391.1	Kapa-24index - adapter 11	GGCTACAT	0.112
QD157-2	T2	286.6	Kapa-24index - adapter 12	CTTGTAAT	0.116
QD157-3	C3	387.3	Kapa-24index - adapter 13	AGTCAACA	0.116
QD157-4	T3	257.3	Kapa-24index - adapter 14	AGTTCCGT	0.152
QD157-5	C4	235.8	Kapa-24index - adapter 15	ATGTCAGA	0.108
QD157-6	T4	203.7	Kapa-24index - adapter 16	CCGTCCCG	0.160

Round 3

Total 1500 ng RNA as input

QB ID	Sample ID	RNA Conc. (ng/ul)	RNA Adapter code	Adapter seq	Library Qubit conc. (ng/ul)
QD157-1	C2	391.1	Kapa-24index - adapter 11	GGCTACAT	0.136
QD157-2	T2	286.6	Kapa-24index - adapter 12	CTTGTAAT	0.134
QD157-3	C3	387.3	Kapa-24index - adapter 13	AGTCAACA	0.148
QD157-4	T3	257.3	Kapa-24index - adapter 14	AGTTCCGT	0.188
QD157-5	C4	235.8	Kapa-24index - adapter 15	ATGTCAGA	0.126
QD157-6	T4	203.7	Kapa-24index - adapter 16	CCGTCCCG	0.156

Library conc. for sequencer needs > 2.5 nM. (assuming library size ~300, the ng/ul should be >0.5 ng/ul)