Sample carryover

A study was conducted to demonstrate the lack of sample carryover on the Thermo Scientific NanoDrop™ 8000 Spectrophotometer. The protocol included measuring 4 individual aliquots of water, followed by 4 aliquots of a high concentration DNA sample. Carryover was then assessed by the measuring of another 4 aliquots of water. The test results demonstrate that there is no significant sample carry-over on the instrument measurement pedestals. The tables below display the results of the study using 3 separate measurement pedestal positions.

Table 1. Pedestal position A

Position/Replicate	Sample ID	Date	Time	ng/µL
A/1	water	9/24/2007	10:50 AM	0.07
A/2	water	9/24/2007	10:50 AM	-0.49
A/3	water	9/24/2007	10:51 AM	1.13
A/4	water	9/24/2007	10:52 AM	0.32
A/5	3600 ng/µL	9/24/2007	10:53 AM	3563.43
A/6	3600 ng/µL	9/24/2007	10:54 AM	3586.63
A/7	3600 ng/µL	9/24/2007	10:55 AM	3576.82
A/8	3600 ng/µL	9/24/2007	10:56 AM	3588.27
A/9	water	9/24/2007	10:57 AM	1.21
A/10	water	9/24/2007	10:57 AM	0.95
A/11	water	9/24/2007	10:58 AM	0.22
A/12	water	9/24/2007	10:59 AM	0.68

Table 2. Pedestal position D

Position/Replicate	Sample ID	Date	Time	ng/µL
D/1	water	9/24/2007	10:50 AM	0.16
D/2	water	9/24/2007	10:50 AM	0.23
D/3	water	9/24/2007	10:51 AM	-0.7
D/4	water	9/24/2007	10:52 AM	1.45
D/5	3600 ng/µL	9/24/2007	10:53 AM	3563.59
D/6	3600 ng/µL	9/24/2007	10:54 AM	3575.57
D/7	3600 ng/µL	9/24/2007	10:55 AM	3566.87
D/8	3600 ng/µL	9/24/2007	10:56 AM	3605.73
D/9	water	9/24/2007	10:57 AM	0.38
D/10	water	9/24/2007	10:57 AM	0.87
D/11	water	9/24/2007	10:58 AM	0.79
D/12	water	9/24/2007	10:59 AM	0.05

Table 3. Pedestal position H

Position/Replicate	Sample ID	Date	Time	ng/µL
H/1	water	9/24/2007	10:50 AM	-0.33
H/2	water	9/24/2007	10:50 AM	-0.6
H/3	water	9/24/2007	10:51 AM	-0.65
H/4	water	9/24/2007	10:52 AM	-0.78
H/5	3600 ng/µL	9/24/2007	10:53 AM	3554.63
H/6	3600 ng/µL	9/24/2007	10:54 AM	3565.35
H/7	3600 ng/µL	9/24/2007	10:55 AM	3568.85
H/8	3600 ng/µL	9/24/2007	10:56 AM	3590.1
H/9	water	9/24/2007	10:57 AM	-0.04
H/10	water	9/24/2007	10:57 AM	0.62
H/11	water	9/24/2007	10:58 AM	-0.53
H/12	water	9/24/2007	10:59 AM	-0.7