

Appendix

Table 1: MAGFLO PCR purification workflow with the 10-300 µl 96 channel pipetting head (manual; n=3)

Sample name	100 bp				>100 bp				
	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)	
MFL-SS1-01	51.1	51			1440	1386			
MFL-SS1-02	52.4								
MFL-SS1-03	50.9								
MFL-SS1-04	48								
MFL-SS1-05	57.9								
MFL-SS1-06	53.4								
MFL-SS1-07	47.2								
MFL-SS1-08	45.7								
MFL-SS1-09	42.4								
MFL-SS1-10	49.9								
MFL-SS1-11	53.7								
MFL-SS1-12	45.9								
MFL-SS1-13	59								
MFL-SS1-14	55.1								
MFL-SS2-01	46.6	44	48	5	46	1386	1408	69	101
MFL-SS2-02	45.5								
MFL-SS2-03	45.8								
MFL-SS2-04	47.6								
MFL-SS2-05	39.9								
MFL-SS2-06	47.8								
MFL-SS2-07	44.3								
MFL-SS2-08	42.9								
MFL-SS2-09	45.4								
MFL-SS2-10	44.7								
MFL-SS2-11	45.6								
MFL-SS2-12	43.2								
MFL-SS2-13	33.3								
MFL-SS2-14	40.3								
MFL-SS3-01	42.3	48				1452			
MFL-SS3-02	46.8								
MFL-SS3-03	46.2								
MFL-SS3-04	51.9								
MFL-SS3-05	52								
MFL-SS3-06	49.5								
MFL-SS3-07	41								
MFL-SS3-08	45.3								
MFL-SS3-09	41.4								
MFL-SS3-10	47.8								
MFL-SS3-11	49.8								
MFL-SS3-12	52.7								
MFL-SS3-13	51.2								
MFL-SS3-14	53.5								
INPUT DNA ladder	106	104		3	100	1420	1400	108	100
INPUT DNA ladder	101								
INPUT DNA ladder	105								

Appendix

Table 2: MAGFLO PCR purification workflow with the 10-300 µl 96 channel pipetting head (automatic; n=1)

Sample name	100 bp				>100 bp			
	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)
MFL-SS-01	43.6	47	4	45	1360	1400	36	101
MFL-SS-02	46.2				1380			
MFL-SS-03	42.5				1410			
MFL-SS-04	48.1				1420			
MFL-SS-05	46.9				1430			
MFL-SS-06	50.7				1400			
MFL-SS-07	41.4				1360			
MFL-SS-08	46.2				1380			
MFL-SS-09	51.4				1420			
MFL-SS-10	46.1				1430			
MFL-SS-11	43.5				1340			
MFL-SS-12	42.6				1370			
MFL-SS-13	56.4				1440			
MFL-SS-14	49.8				1460			
INPUT DNA ladder	104				1390			

Table 3: MAGFLO PCR purification workflow with the 5-125 µl 96 channel pipetting head (manual; n=1)

Sample name	100 bp				>100 bp			
	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)
MFL-SS-01	36.2	35	5	32	1510	1474	24	100
MFL-SS-02	30.5				1440			
MFL-SS-03	34.5				1470			
MFL-SS-04	38.3				1470			
MFL-SS-05	42.7				1490			
MFL-SS-06	45.8				1480			
MFL-SS-07	30.7				1480			
MFL-SS-08	27.9				1450			
MFL-SS-09	32.1				1450			
MFL-SS-10	33.7				1450			
MFL-SS-11	34.2				1450			
MFL-SS-12	35.7				1490			
MFL-SS-13	39.1				1520			
MFL-SS-14	30.1				1490			
INPUT DNA ladder	111				1470			

Appendix

Table 4: MAGFLO PCR purification workflow with the 5-125 µl 96 channel pipetting head (automatic; n=1)

Sample name	100 bp				>100 bp			
	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)	Concentration (pg/µl)	Average (pg/µl)	SD (pg/µl)	Recovery (%)
MFL-SS-01	44.2	42	5	38	1510	1494	41	100
MFL-SS-02	40.5				1500			
MFL-SS-03	42.5				1490			
MFL-SS-04	41.2				1520			
MFL-SS-05	47.8				1500			
MFL-SS-06	49.1				1490			
MFL-SS-07	37.5				1470			
MFL-SS-08	36.7				1500			
MFL-SS-09	35.9				1400			
MFL-SS-10	39.5				1500			
MFL-SS-11	42.8				1480			
MFL-SS-12	41.5				1530			
MFL-SS-13	50.3				1580			
MFL-SS-14	36.4				1450			
INPUT DNA ladder	111			1490				