



microCLEAN comparison table

	microCLEAN	Spin column competitor	Enzyme digest competitor	Ethanol ppt
Cost per cleanup	Less than £0.30 per 25µl	More than £1.35 per column	More than £4.28 per 25 µl	Less than £0.30 per 25µl
Ease of use	Straightforward, simple and economical	Labourious, frustrating and expensive	Sriaghtforward but expensive and issues with primer-dimers	Cumbersome
Ethanol required	NO	YES	NO	YES
Number of additional tubes required	1	3 + spin column	0	0
Number of spins required	1	4	0	2
Number of pulses	1	0	0	0
Number of incubations	0	0	2 (37°C – 15' + 80°C – 15')	0
Is ice or chilling required	NO	NO	YES - during manipulation phase	YES - ethanol and centrifuge must be kept cold
Time per reaction / 12 reactions	10' / 15'	10' / 45'	30' / 35'	30' / 45'
Number of solutions required	1 + resuspension	3 + elution	1	1 + resuspension
Storage	fridge	room temperature	freezer	room temperature
Number of liquid transfers	1	4	1	4
Number of tube transfers	0	1	0	0
Number of lid removals	0	1	0	0
Minimum elution or resuspension volumes	NO	YES	NO	NO
Loss of DNA fragments > 70bp	Slight	YES	NO	YES
Efficient removal of primers	YES	YES	YES	NO
Efficient removal of primer-dimers	YES	NO	NO	NO