

Isohelix XtraClean DNA Kit

Cat. No: XCU-5/50

The Isohelix **XtraClean** DNA kit is designed for the **Additional Purification and Clean Up** of partially isolated samples from buccal swabs, to give an ultra clean DNA sample suitable for use in more demanding downstream applications where DNA purity is critical. Up to 20µg previously isolated DNA can be bound to the silica-based membranes with almost complete recovery of intact DNA.

- ✓ *Rapid handling times*
- ✓ *High purity DNA*
- ✓ *Removes trace PCR inhibitors*
- ✓ *Optimised for buccal DNA*
- ✓ *Manual or high throughput formats*
- ✓ *Recovery rates up to 80%*
- ✓ *Solvent free chemicals*
- ✓ *Application and Technical Support*



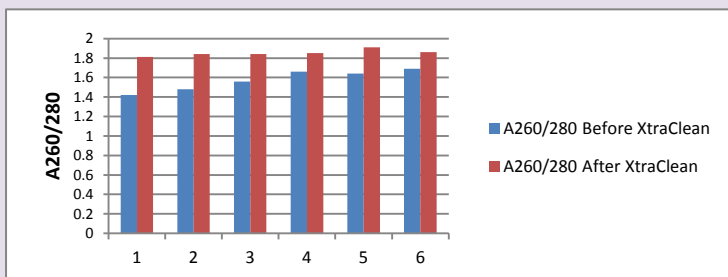
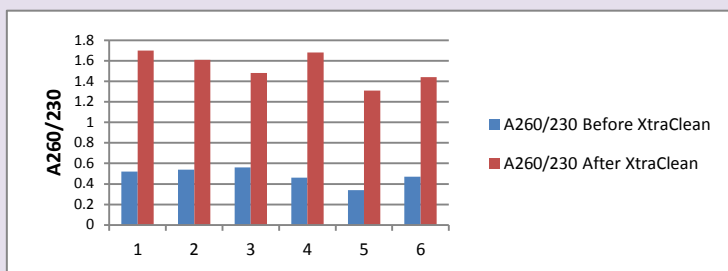
Catalogue No:	Description:
XCU-5	For Additional Purification & Clean Up of partially isolated DNA samples from buccal swabs. Sample size kit includes 4 buffers, cartridges and tubes for 5 samples .
XCU-50	For Additional Purification & Clean Up of partially isolated DNA samples from buccal swabs. Full size kit includes 4 buffers, cartridges and tubes for 50 samples .

Benefits

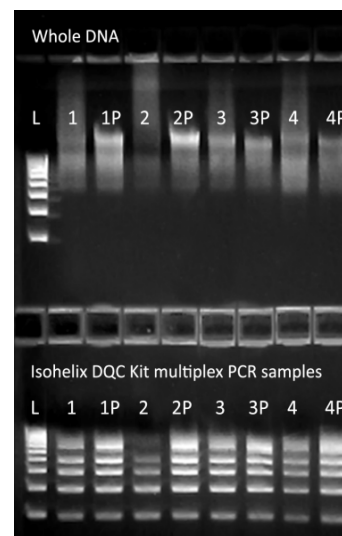
- Improved absorbance ratios in purified DNA samples
- Removal of even *very low* level PCR inhibitors
- Improved success in the more demanding downstream applications
- Maintains integrity of the genomic DNA

Sample	A260/280		A260/230	
	Before XtraClean	After XtraClean	Before XtraClean	After XtraClean
1	1.42	1.81	0.61	2.03
2	1.48	1.84	0.52	1.7
3	1.56	1.84	0.54	1.61
4	1.64	1.91	0.48	2.36

DNA sample purity improved after XtraClean DNA Kit



DNA integrity and performance in PCR



Samples:
 1: Before XtraClean
 1P: After XtraClean
 2: Before XtraClean
 2P: After XtraClean
 3: Before XtraClean
 3P: After XtraClean
 4: Before XtraClean
 4P: After XtraClean

Top Tier: Whole DNA samples run on a 2.2% FlashGel with 100bp ladder.

Bottom Tier: DNA samples amplified with the Isohelix DQC Quality Check kit. Expected band sizes are 100bp, 200bp, 300bp, 400bp, and 600bp together with an internal control band of 500bp derived from Lambda DNA. Run on a 2.2% agarose FlashGel with 100bp ladder.