

Isohelix Xtreme DNA Kit

Cat. No: XME-5/50

The Isohelix Xtreme DNA kit is a silica membrane based spin column DNA purification kit designed to isolate highly purified, high molecular weight genomic DNA from buccal swabs, with minimal losses. The DNA is suitable for use in even the most demanding downstream applications.

- ✓ *Very high purity DNA*
- ✓ *DNA free from trace PCR inhibitors*
- ✓ *Optimised for buccal DNA*
- ✓ *Manual or high throughput formats*
- ✓ *No solvent based chemicals*
- ✓ *Application and Technical Support*



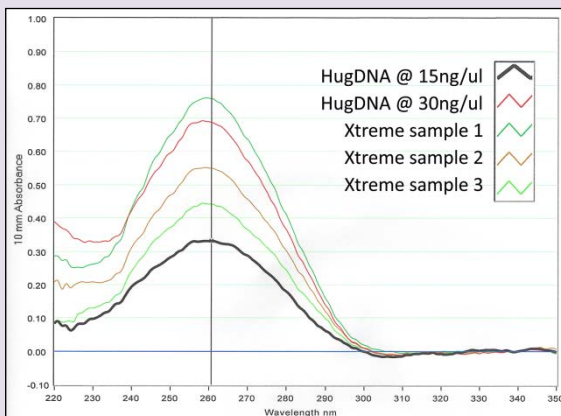
Catalogue No:	Description:
XME-5	For isolation of highly purified DNA samples from buccal swabs. Sample size kit includes 5 buffers, cartridges and tubes for 5 samples .
XME-50	For isolation of highly purified DNA samples from buccal swabs. Full size kit includes 5 buffers, cartridges and tubes for 50 samples .

Benefits

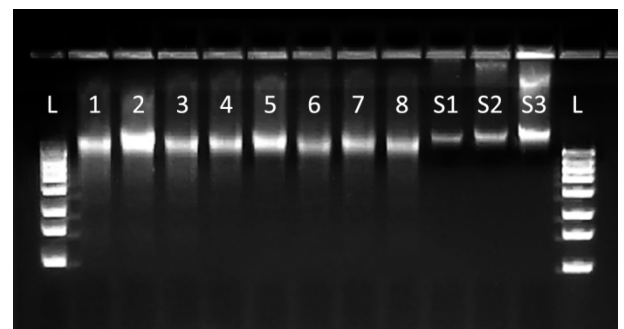
- A260/280 ratios typically >1.8
- A260/230 ratios typically >1.5
- Improved success in the more demanding downstream applications
- Maintains integrity of the genomic DNA
- High yields of high molecular weight DNA
- Optimised for Isohelix buccal swab collection kits
- Expected yield from a single adult swab ~ 2ug

Sample	Yield in ug (by Qubit dsDNA BR assay)	A260/280	A260/230
1	2.44	1.83	2.65
2	2.6	1.86	2.91
3	1.84	1.82	3.42
4	2.34	1.86	3.32
5	2.38	1.94	3.56
6	1.85	1.78	1.90
7	2.26	1.94	3.51
8	1.86	1.85	1.92

Nanodrop comparison of Xtreme isolated buccal DNA samples and commercially available Human genomic DNA



High molecular weight, intact DNA from Xtreme DNA Kit



Samples 1 – 8: Xtreme isolated Isohelix buccal swabs
S1, S2 & S3: Commercial Human Genomic DNA @ 7.5, 15 & 30ng/μl

Isohelix is a division of Cell Projects

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