

NeoBEADS Universal DNA/RNA Extraction Kit

#Cat: NB-78-00017 Size: 1x96

Overview

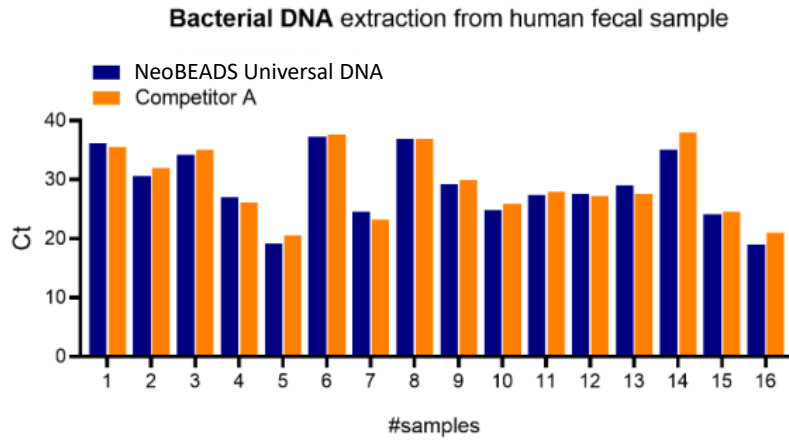
NeoBEADS Universal DNA/RNA Extraction Kit is designed for rapid and efficient isolation of nucleic acids from any sample type including cells, tissues, biological fluids. The optimized chemistry of the reagents ensures pure DNA/RNA. Nucleic acids are selectively bound to the magnetic beads' surface, whilst impurities such as salts, metabolites, and soluble macromolecular cellular components are efficiently removed by a series of quick washing steps. NeoBEADS Universal DNA/RNA Extraction Kit can be easily adapted to automated magnetic bead separation instruments and workstations. The extracted highly pure DNA/RNA is ready for downstream reactions, including Real-Time PCR, qRT-PCR, Sanger Sequencing, NGS, PCR, and other enzymatic reactions. For automation scripts and protocols visit documents section or email to info@neo-biotech.com

Features

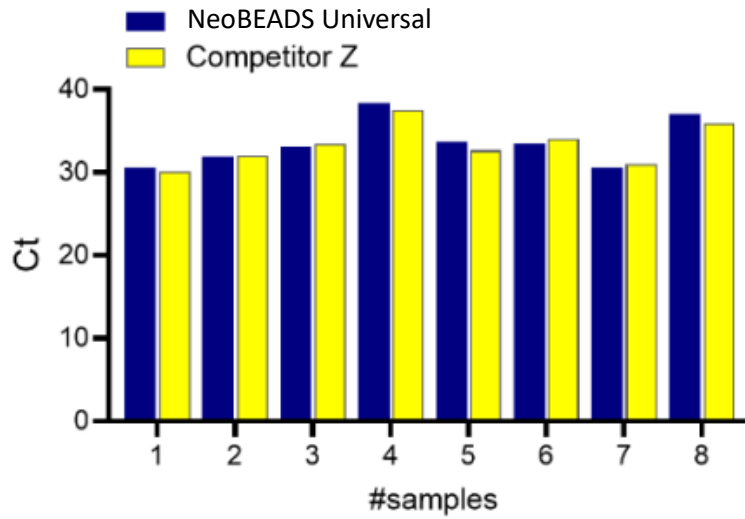
- Magnetic technology-based: reduction up to 50% of plastics used
- Rapid: protocol for manual extraction, Automatic extraction time 25 minutes for 96 samples and 22 minutes for 32 samples
- Quality: ultra-pure nucleic acids
- Easy to store: room temperature PurePrep
- Easy to use: available as both bottle and prefilled plate ready-to-use on automatic extractors
- Automatable: Compatible with
 - ✓ Thermo Fisher Scientific KingFisher™ Flex
 - ✓ Allsheng Auto-Pure96/Auto-Pure32A
 - ✓ Procomcure Phoenix-Pure96/32
 - ✓ MOLGEN PurePrep 96/32
 - ✓ BIOER GenePure Pro NPA-32P
 - ✓ MGI SP-NE32
 - ✓ BIGFISH BFEX-32
 - ✓ ...and many other extraction systems

Product	Order-No.	Unit Size
NeoBEADS Universal DNA/RNA Extraction kit	NB-78-00017	96 preps

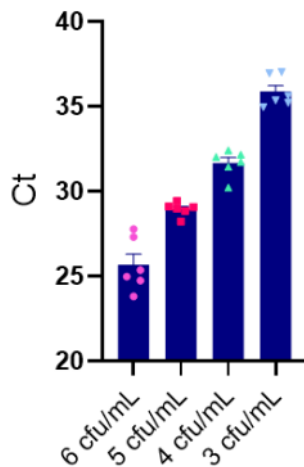
Pathogen nucleic acids isolated with NeoBEADS Universal DNA/RNA Extraction Kit



Pathogen nucleic acids extraction from honey bees

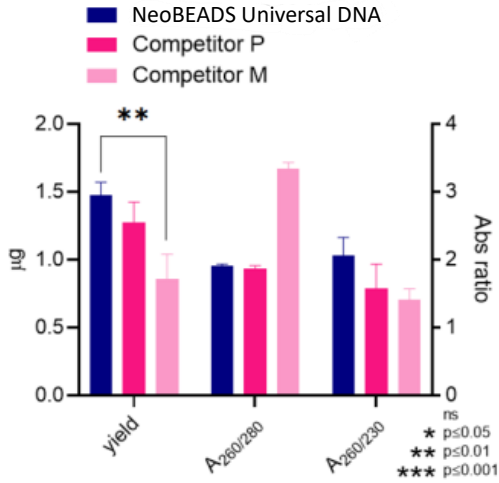


Pathogen nucleic acids extraction from chicken meat samples



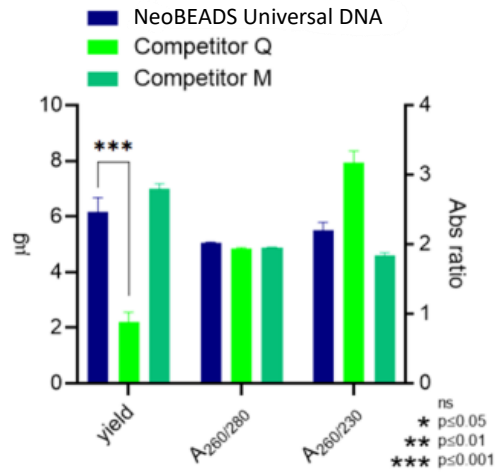
Genomic DNA isolated with NeoBEADS Universal DNA/RNA Extraction Kit

gDNA extraction from FFPE tissues



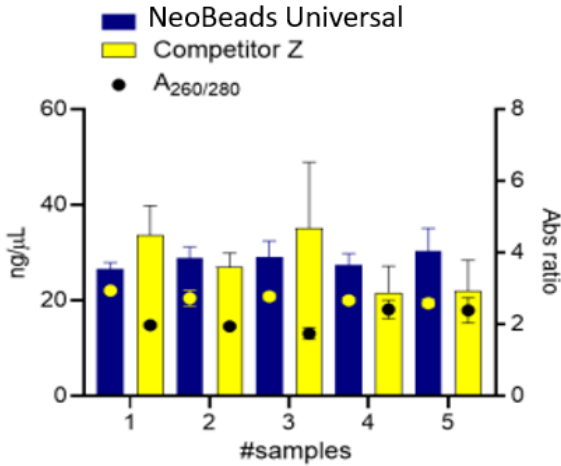
		µg	A _{260/280}	A _{260/230}
Neo Biotech	MEAN	1,477	1,91	2,05
	SD	0,35	0,12	1,01
Competitor P	MEAN	1,272	1,87	1,57
	SD	0,433	0,11	1,03
Competitor M	MEAN	0,86	1,673	0,70
	SD	0,34	0,09	0,16

gDNA extraction from 2x10⁵ cultured cells

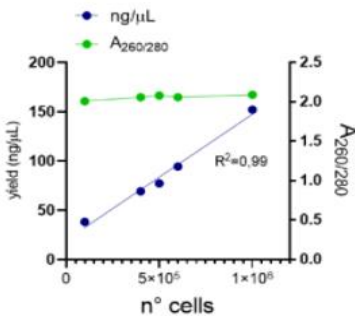


		µg	A _{260/280}	A _{260/230}
Neo Biotech	MEAN	6,16	2,03	2,20
	SD	1,63	0,02	0,36
Competitor Q	MEAN	2,21	1,94	3,17
	SD	1,05	0,03	0,51
Competitor M	MEAN	6,99	1,95	1,85
	SD	0,31	0,01	0,05

gDNA extraction from chicken meat samples



Linear recovery of gDNA from cultured cells



	Yield (ng/µL)	A _{260/280}	A _{260/230}
1x10 ⁵	38,2	2,03	2,28
4x10 ⁵	69,17	2,07	2,33
5x10 ⁵	77,22	2,08	2,38
6x10 ⁵	94,4	2,05	2,71
1x10 ⁶	152,07	2,07	2,93

Sanger sequencing of DNA purified using NeoBEADS Universal DNA/RNA Extraction Kit

