

STAR BEADS Universal DNA/RNA Extraction kit

Rapid nucleic acids isolation from any sample type



Overview

STAR BEADS 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.

STAR BEADS 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 technical.support@cyanagen.com

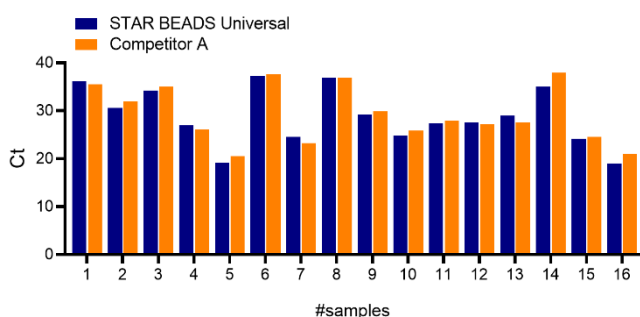
Features

- **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
- **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

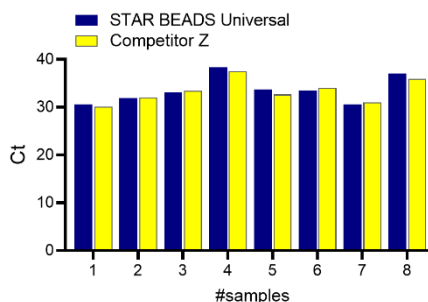
PRODUCT	ORDER-NO.	UNIT SIZE
STAR BEADS Universal DNA/RNA Extraction kit	SBK270,1X96	96 preps
	SBK270,1X16	16 preps
	SBK271,1X96PFI	96 preps
	SBK273,2x32PFI	64 preps

Pathogen nucleic acids isolated with STAR BEADS Universal DNA/RNA Extraction Kit

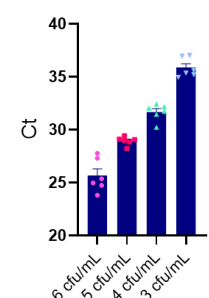
Bacterial DNA extraction from human fecal sample



Pathogen nucleic acids extraction from honey bees



Pathogen nucleic acids extraction from chicken meat samples

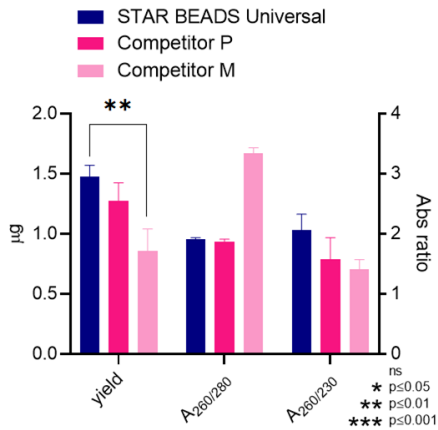


STAR BEADS Universal DNA/RNA Extraction kit

Rapid nucleic acids isolation from any sample type

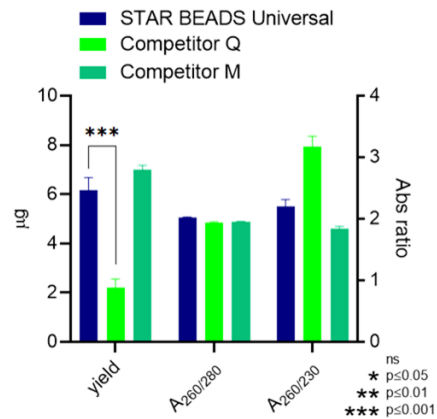
Genomic DNA isolated with STAR BEADS Universal DNA/RNA Extraction Kit

gDNA extraction from FFPE tissues



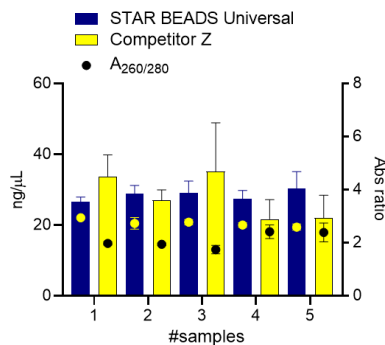
		µg	A _{260/280}	A _{260/230}
CYANAGEN	MEAN	1,477	1,91	2,05
	SD	0,35	0,12	1,01
Competitor P	MEAN	1,272	1,87	1,57
	SD	0,433	0,11	1,03
Competitor M	MEAN	0,86	1,673	0,70
	SD	0,34	0,09	0,16

gDNA extraction from 2x10⁵ cultured cells

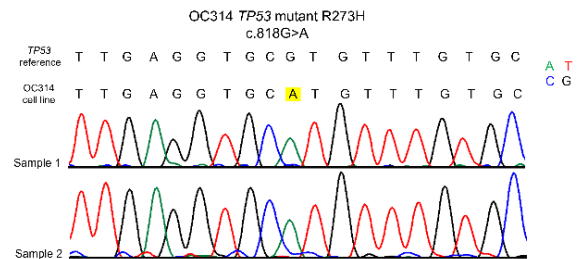


		µg	A _{260/280}	A _{260/230}
CYANAGEN	MEAN	6,16	2,03	2,20
	SD	1,63	0,02	0,36
Competitor Q	MEAN	2,21	1,94	3,17
	SD	1,05	0,03	0,51
Competitor M	MEAN	6,99	1,95	1,85
	SD	0,31	0,01	0,05

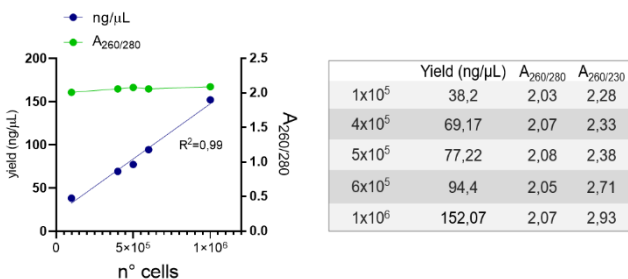
gDNA extraction from chicken meat samples



Sanger sequencing of DNA purified using STAR BEADS Universal DNA/RNA Extraction Kit



Linear recovery of gDNA from cultured cells



HOXA4 Sanger sequencing of FFPE tumor samples

