

FAST AND EFFICIENT RECOVERY OF DNA

Ahlstrom-Munksjö GenReleaz™

Ahlstrom-Munksjö GenReleaz™ and GenReleaz™ Color specimen collection cards allow collection, transport, preservation and fast elution of DNA from biological fluids stored at ambient temperature.

One of the key features of GenReleaz™ is the method for recovering DNA: efficient elution process eliminates the need to use DNA extraction kits.

These cards allow DNA to be rapidly isolated and preserved while providing:

- **Fast Processing Time** - DNA is ready for downstream application in less than 30 minutes with a simple elution step using water and heat
- **Cost Savings** - Ambient transport and preservation of isolated DNA



Key features:

- Easy sample collection
- Stabilization of DNA inside fiber-based material
- Long-term ambient preservation of DNA
- Fast and simple DNA elution
- No extraction kit needed
- ISO 18385:2016 compliant

Applications:

- Multiplex PCR and quantitative PCR analysis
- STR and SNP analysis
- Amplification and sequencing
- Genotyping
- Genetic identification
- Transgenic detection

Your results in a few easy steps



- Collect samples on GenReleaz™ card
- Let dry thoroughly



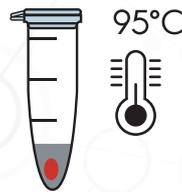
- Punch out a 3 mm sample
- Place into a 1.5 ml sterile microtube



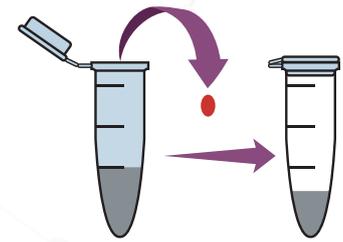
- Wash punch in 500 µl of dH₂O
- Vortex 3x for 5s



- Remove water
- Centrifuge max speed 1 min
- Remove the excess of water

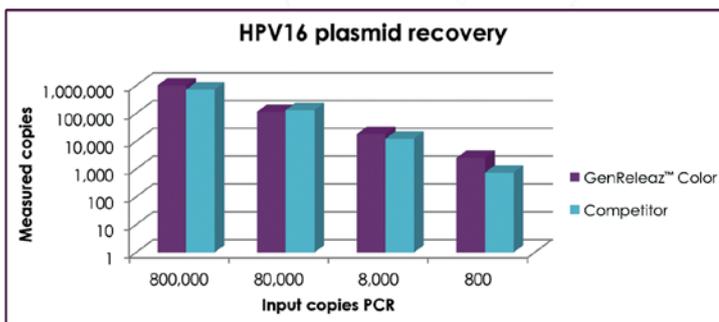


- Add 50µl sterile water
- Heat at 95°C for 15-30 mins
- Pulse vortex 10x
- Centrifuge 30 secs to separate the matrix from the eluate

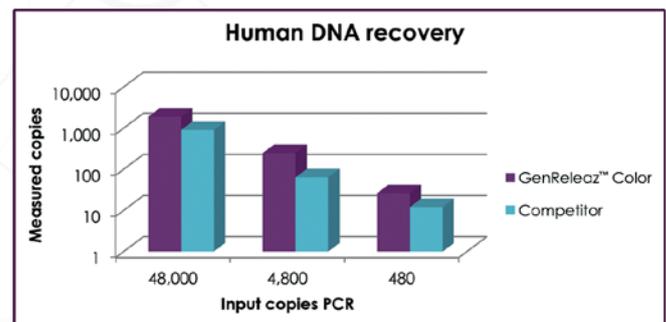


- Eluate now contains DNA
- Remove the disc using a sterile pipette tip and discard it
- Store eluates at 4°C if used within a week or at -20°C for longer time

Case study - DNA Recovery for HPV testing*



Total of measured copies of DNA from paper discs taken from the center of 1µl HPV16 plasmid spotted on GenReleaz™ Color and on competitor's card.



Total of measured copies of DNA from paper discs taken from the center of 1µl human DNA control spotted on GenReleaz™ Color and on competitor's card.

* Tests performed by Dept. of immunology, genetics & pathology, Uppsala University, Sweden

Better release of DNA inducing higher recovery performances as compared to competitors' products.

CONTACT AHLSTROM-MUNKSJÖ SALES

✉ diagnostics@ahlstrom-munksjo.com

EMEA

☎ +49 37347 830

NORTH AMERICA

☎ +1 717 486 3438

ASIA - CHINA

☎ +86 21 646 69 222

SOUTH AMERICA

☎ +55 19 3878 9238

LEARN MORE: WWW.AHLSTROM-MUNKSJÖ.COM

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