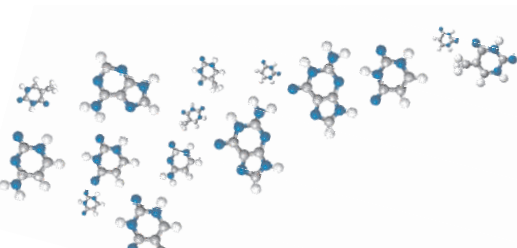


TATAA Alu Assays

Order #: qA-01-0939 (ALU-60)
 qA-01-0940 (ALU-135)
 qA-01-0941 (ALU-187)

Volume: 100 µl (100 rxn)
 Concentration: 10 µM per primer
 5 µM per probe (FAM)



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Background

Alu elements are short stretches of about 300 bp that are unique to the human genomic DNA (gDNA). There are over one million Alu elements interspersed throughout the genome constituting about 10.7% of the bases. The TATAA Alu Assays are specific, wet-lab validated qPCR assays targeting consensus Alu sequences making them exceptionally sensitive for human gDNA. Alu assays are available that produce different amplicon lengths, which makes it possible to assess also the length distribution of the gDNA present.

Content

• Primer and probe solution for 100 rxn 100 µl of primer and probe mix
 C=10 µM per primer
 C=5 µM per probe (FAM)

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Cycling Protocol

UNG step (optional)	According to mix instructions
Enzyme activation	According to mix instructions
Cycling	According to mix instructions. Annealing temperature: ~60°C

Pipetting protocol

Component	1 rxn	1 rxn	1 rxn
PCR-Grade water		variable	
Primer and probe mix	0.4µl	0.8µl	1µl
Master mix (2X)	5µl	10µl	12.5µl
cDNA (variable)	1-2µl	2-4µl	2-5µl
Final Volume	10µl	20µl	25µl

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Storage

The assay can be stored at +4°C for up to 1 month. For long term storage -20°C is recommended. Use within 12 months from arrival. Repeated freeze-thaw cycles should be avoided. Vortex thoroughly and spin down before use.

TATAA Biocenter AB

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 info@tataa.com www.tataa.com

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