

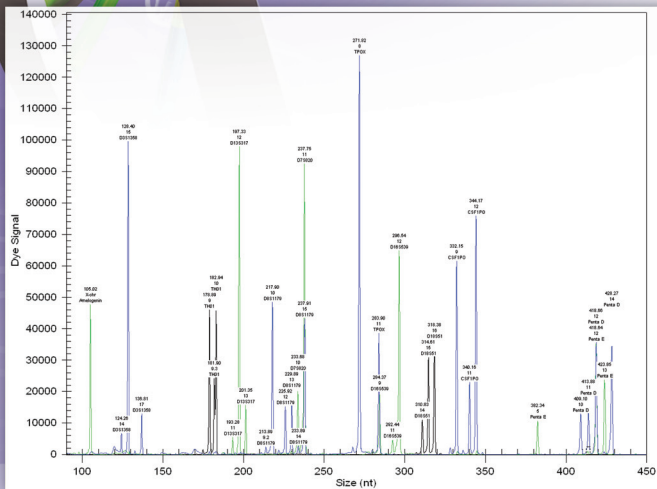
DNA purity and quality determination.

GenomeLab™ Human STR Primer Set

Genomics
Proteomics
Cell Analysis
Centrifugation
Lab Tools
Bioseparation
Lab Automation
Particle Characterization

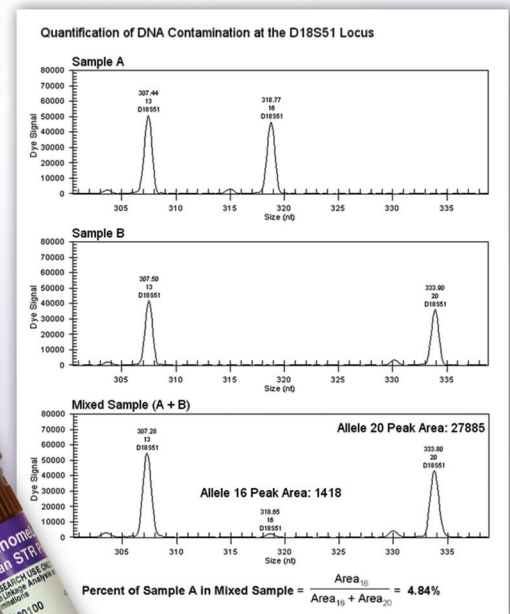


The GenomeLab Human STR Primer Set is used to determine the purity and quality of DNA, for sample tracking, and for monitoring contamination. When used, this primer set further expands capability to the CEQ™ Series and GenomeLab GeXP Genetic Analysis Systems. It is ideal for researchers working with large numbers of DNA samples in clinical trials, tissue culture facilities and core labs. The Human STR Primer Set enables facilities to accurately track samples or cell lines and identify contamination.



Analysis of a DNA mixture using the Human STR Primer Set from Beckman Coulter

The GenomeLab Human STR Primer Set reduces analysis time compared to other company's offerings. Primer concentrations have been optimized to provide balanced amplification from each locus. The set is packaged in a single vial containing 12 primer pairs to amplify 11 STR loci and one gender-specific locus (Table 1). Each vial contains sufficient primers for 48 reactions. This primer set is fully supported by Beckman Coulter's expert technical and application personnel.



A stacked view profile of two unique DNA sources (each source is heterozygous, sharing one allele at the TH01 locus) and 1 mixed DNA sample to review data. The Human STR Primer Set can easily measure a 5% DNA contamination of a single DNA source in the presence of a DNA mixture.

Locus Name	Fragment Size Range	Dye	Repeat Unit Length
AMEL	104-111	D3	-
D3S1358	112-152	D4	4
TH01	159-199	D2	4
D13S317	173 - 213	D3	4
D8S1179	206 - 266	D4	4
D7S820	214 - 250	D3	4
TPOX	260 - 292	D4	4
D16S539	264 - 309	D3	4
D18S51	286 - 366	D2	4
CSF1PO	316 - 356	D4	4
Penta D	369 - 449	D4	5
Penta E	377 - 481	D3	5

Table 1. GenomeLab STR Primer Set Locus Information

Ordering Information

Reagents for STR Analysis	Part No.
GenomeLab™ Human STR Primer Set Kit	A20100
GenomeLab DNA Size Standard Kit - 600	608095

Hardware and Software

GenomeLab GeXP Genetic Analysis System	A26572
CEQ™ 8800 Genetic Analysis System for Sequencing and Fragment Analysis, 110/230 V, 60/50 Hz, Dual Plate Format	285595
CEQ 8000 Genetic Analysis System, for Sequencing and Fragment Analysis, 110/230 V, Single Plate Format	285501

Supplies

GenomeLab DNA Separation Capillary Array, 33 cm x 75 mm	608087
GenomeLab Sample Loading Buffer (SLS), 6.0 mL	608082
GenomeLab Separation Gel 1	608010
GenomeLab Separation Buffer, 4/pk	608012
GenomeLab Separation Buffer Plates, Non-sterile, without lids, 300 µL/well, 100/pk	609844
Sample Microtiter Plates, 25/pk, V-bottom, Thermal cycler compatible, 200 µL/well	609801

*The GenomeLab Human STR Primer Set is for research use only, not for forensic and not for human linkage analysis.**

For more information about our total solutions for genetic analysis, please visit:

www.beckmancoulter.com/GenomeLab

* Promega Corporation is the owner of all rights, title and interest in the "Multiplex Amplification of Short Tandem Repeat Loci" in these fields.

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