



## DNA purity and quality determination.

## GenomeLab Human STR Primer Set

Blood Banking Capillary Electrophoresis Centrifugation Flow Cytometry

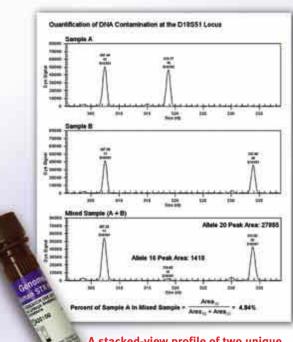
## Genomics

Lab Automation Lab Tools Particle Characterization

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.

The GenomeLab Human STR Primer Set is used to determine the purity and quality of DNA for sample tracking, and for monitoring contamination. This primer set further expands the capability of the 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.



A stacked-view profile of two unique DNA sources and one mixed DNA sample. (Each unique DNA source is heterozygous, sharing one allele at the THo1 locus.) 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 GenomeLab DNA Size Standard Kit - 600	A20100 608095
Hardware and Software	
GenomeLab GeXP Genetic Analysis System (dual rail) GenomeLab GeXP Genetic Analysis System (single rail)	A26572 A62684
Supplies	
GenomeLab DNA Separation Capillary Array, 33 cm x 75 mm GenomeLab Sample Loading Buffer (SLS), 6.0 mL	608087 608082 608010
GenomeLab Separation Gel 1 GenomeLab Separation Buffer, 4/pk GenomeLab Separation Buffer Plates, Non-sterile, without lids,	608012 609844
300 μL/well, 100/pk Sample Microtiter Plates, 25/pk, V-bottom, Thermal cycler compatible, 200 μL/well	609801

The GenomeLab Human STR Primer Set is not for forensic or human linkage analysis.\*

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