

Biotype[®] PCR Amplification Kits

Robust and reliable STR-Multiplex PCR test systems for human identification



Biotype's product portfolio offers suitable test kits for analysis of STR loci recommended by EDNAP, ENFSI and the German forensic DNA database, for chimerism analysis and kinship testing, whereas kits for autosomal and gonosomal STR loci of the Y- and X-chromosome are available, too. Moreover, some kits contain the internal PCR control Mentype[®] **Quality Sensor (QS)** which provides helpful information on the efficiency of the PCR reaction and on the presence of PCR inhibitors. All kits are validated for use with Applied Biosystems' instruments and software.

Bio type[®]

Robust and reliable systems for autosomal STR markers

Locus	Chromosomal mapping	Mentype [®] ESSplex 41-16110-XXXX	Mentype [®] Decaplex SE 41-12110-XXXX	Mentype [®] Nonaplex I 41-09113-XXXX	Mentype [®] Nonaplex ^{QS} 41-09330-XXXX	Mentype [®] Pentaplex ESS 41-06210-XXXX	Mentype [®] Triplex DSF 41-03410-XXXX	Mentype [®] Triplex AFS ^{QS} 41-03213-XXXX	Humantype Chimera [®] 31-13110-XXXX
Amelogenin	Xp22.1-22.3, Yp11.2	6-FAM 77, 80	6-FAM 77, 80	6-FAM 83, 86	6-FAM 83, 86	6-FAM 88, 91		6-FAM 103, 109	6-FAM 83, 86
Quality Sensor	-				6-FAM 72			6-FAM 77	
D1S1656	1q42	BTG 155-194				HEX 153-192			
D2S441	2p14	BTR 86-117				NED 82-114			
D2S1338	2q35	BTG 391-439	BTG 391-439						
D2S1360	2p24-2p22								6-FAM 281-334
D3S1358	3p25.3	6-FAM 143-195	6-FAM 143-195	6-FAM 96-146	HEX 141-194		6-FAM 96-150		
D3S1744	3p24								6-FAM 167-204
D4S2366	4p16-15.2								NED 430-454
D5S2500	5q11.2								HEX 184-220
D6S474	6q21-22								6-FAM 344-377
D7S1517	7q31.33								6-FAM 98-158
D8S1132	8q23.1								HEX 112-171
D8S1179	8q23.1-23.2	BTG 287-339	BTG 287-339	NED 125-177	6-FAM 101-156				
D10S1248	10q26.3	BTY 96-132				HEX 91-127			
D10S2325	10p12								NED 113-176
D12S391	12p13.2	BTY 226-274				6-FAM 179-227			6-FAM 213-262
D16S539	16q24.1	BTG 100-128	BTG 100-128						
D18S51	18q21.3	BTR 149-230	BTY 137-219	HEX 239-324	6-FAM 288-373				HEX 239-324
D19S433	19q12	BTG 222-266	BTG 222-266						
D21S11	21q21.1	6-FAM 328-390	6-FAM 328-390	NED 200-263	6-FAM 177-240				
D21S2055	21q22								HEX 348-441
D22S1045	22q12.3	BTY 157-185				6-FAM 122-149			
FGA (FIBRA)	4q28.2	BTY 294-437	BTY 294-437	HEX 162-234	NED 182-331		HEX 162-311	6-FAM 124-196	
SE33 (ACTBP2)	6q14.2		BTR 267-454	6-FAM 278-373	HEX 198-372		6-FAM 192-371	6-FAM 198-373	NED 192-367
TH01 (TC11)	11p15.5pter	6-FAM 91-130	6-FAM 91-130	6-FAM 148-187	HEX 88-128				
vWA	12p13.31	6-FAM 238-290	6-FAM 238-290	HEX 94-148	NED 104-158				

Robust and reliable systems for gonosomal STR markers

Locus	Chromosomal mapping	Mentype® Argus X-8 43-09110-XXXX	Mentype® Argus X-12 43-13110-XXXX	Mentype® Argus Y-MH ^{OS} 42-09112-XXXX	Mentype® Argus Y-12 ^{OS} 42-12110-XXXX
Amelogenin	Xp22.1-22.3 Yp11.2	6-FAM 103, 109	6-FAM 77, 80		
Quality Sensor	-			6-FAM 81	6-FAM 74
DXS7132	Xq11.2	6-FAM 277-305	6-FAM 216-244		
DXS7423	Xq28	6-FAM 229-253	BTY 150-174		
DXS8378	Xp22.31	6-FAM 150-178	6-FAM 154-182		
DXS10074	Xq12	HEX 98-168	BTG 104-172		
DXS10079	Xq12		BTY 290-333		
DXS10101	Xq26.2	HEX 185-227	BTG 216-265		
DXS10103	Xq26.2		6-FAM 109-135		
DXS10134	Xq28	6-FAM 318-384	6-FAM 295-363		
DXS10135	Xp22.31	HEX 234-334	BTG 273-375		
DXS10146	Xq28		BTY 188-275		
DXS10148	Xp22.31		BTR 207-305		
HPRTB	Xq26.2	6-FAM 186-222	BTR 144-180		
DYS19	Yp11.2			HEX 174-211	BTG 201-229
DYS385	Yq11.222			6-FAM 266-349	6-FAM 316-364
DYS389-I	Yq11.21			HEX 233-269	BTG 152-168
DYS389-II	Yq11.21			HEX 347-395	BTG 268-292
DYS390	Yq11.221			6-FAM 189-238	6-FAM 255-283
DYS391	Yq11.21			HEX 98-131	BTG 97-117
DYS392	Yq11.222			HEX 288-320	BTY 272-296
DYS393	Yp11.31			6-FAM 101-142	BTY 125-145
DYS437	Yq11.21				6-FAM 177-201
DYS438	Yq11.21				BTY 201-241
DYS439	Yq11.21				6-FAM 104-128

Cat No. XXXX: 0025, 0100, 0400 or 1000 reactions. Fluorescence labels and amplicon sizes in bp analysed on ABI PRISM® 310/3130 Genetic Analyzer

Use with

ABI PRISM® 310 Genetic Analyzer

ABI PRISM® 3100-Avant/3100 Genetic Analyzer

ABI PRISM® 3130/3130xl Genetic Analyzer

ABI PRISM® 3730 DNA Analyzer