

Probe and Primer Recognition Sites
LIFECODES HLA-DPB Typing Kit, Allele Database 3.2.0

DPB PROBE MIX

Probe	3' end position	Core Sequence
01	35	5' Cg*gTA***gg*Cg 3'
02	107	5' Cg*g*g***TAC*C 3'
03	256	5' g**g*C 3'
04	208	5' g**AT***g****gA*C 3'
05	171	5' AT*Ag*Ag 3'
06	208	5' g**CT***g****AA*C 3'
07	171	5' AT*A**AC 3'
08	171	5' CT*C**Ag 3'
09	107	5' g*g***TTC*C 3'
10	107	5' C**g*g***CTC*T 3'
11	35	5' Cg*gTA***TT**g 3'
12	35	5' Cg*gCA***TT**g 3'
13	105	5' C**C*g***TAC 3'
14	129	5' g*A 3'
15	228	5' gA*A 3'
16	259	5' T**g*C**A 3'
17	171	5' Ag*C**Ag 3'
19	171	5' AT*A**Tg 3'
20	218	5' AA*C*g***T*g*C 3'
21	199	5' g**TT***g 3'
22	32	5' CC*TTT*C**gg 3'
23	49	5' C 3'
24	199	5' g**AA***g 3'
25	208	5' g**CT***T****AA*C 3'
27	199	5' g**CT***g 3'
29	228	5' gg*A 3'
30	216	5' AA*C*g***g*g 3'
31	107	5' g*g***TTC*T 3'
40	226	5' g***g*g*T****gg 3'
41	229	5' C**gA*gT 3'
42	256	5' gA**A*g 3'
43	35	5' CC*TTT*C**gg**g 3'
44	199	5' g**AT*C**g 3'
45	35	5' gg*T 3'
47	43	5' C**gg*Cg*****T 3'
50	82 & 107	5' T 3' & 5' TT**C 3'
51	107 & 127	5' CTC*T 3' & 5' g 3'
52	32 & 107	5' g*gTA***gg 3' & 5' g****TAC*C 3'
53	32 & 228	5' g*gTA***gg 3' & 5' gg*A 3'
54	32 & 107	5' CC*TTT***gg 3' & 5' TTC*T 3'
56	32 & 107	5' g*gyA***TT 3' & 5' g***TTC*T 3'
57	32 & 171	5' g*gyA***TT 3' & 5' AT*A**AC 3'
58	32 & 208	5' g*gTA***TT 3' & 5' g****AA*C 3'
59	32 & 171	5' g*gCA***TT 3' & 5' AT*A**AC 3'
60	32 & 208	5' g*gCA***TT 3' & 5' g****gA*C 3'
61	32 & 256	5' g*gCA***TT 3' & 5' gA**A*g 3'
62	32 & 171	5' g*gCA***TT 3' & 5' AT*A**Ag 3'
63	32 & 105	5' g*gTA***TT 3' & 5' g*g***TAC 3'
64	32 & 105	5' Cg*gTA***gg 3' & 5' C*g***TAC 3'
65	32 & 228	5' g*gCA***TT 3' & 5' gA*g 3'
66	32 & 107	5' g*gTA***TT 3' & 5' CTC*T 3'
67	32 & 171	5' g*gTA***TT 3' & 5' Ag*C**Ag 3'
69	32 & 228	5' g*gTA***TT 3' & 5' gA*g 3'
70	206	5' CT*C**g****gA 3'
71	171 & 208	5' AT*A**Ag 3' & 5' g****AA*C 3'
72	210	5' g****AA*T*g 3'

Primer Mix

Primer	Location	
DPB Forward	Intron 1:4513	5' CAT 3'
DPB Reverse	Intron 2:3	5' gAg 3'

Probe position based on Robinson J, Malik A, Parham P, Bodmer JG, Marsh SGE: "IMGT/HLA database - a sequence database for the human major histocompatibility complex." Tissue Antigens(2000),55:280-287.

Primer positions are based on GenBank Accession X02228.