



HLA-SuBiTo NGStype[®]
*Simply the highest accuracy for
HLA genotyping*

HLA-SuBiTo NGStype®

The perfect solution for your high resolution HLA typing

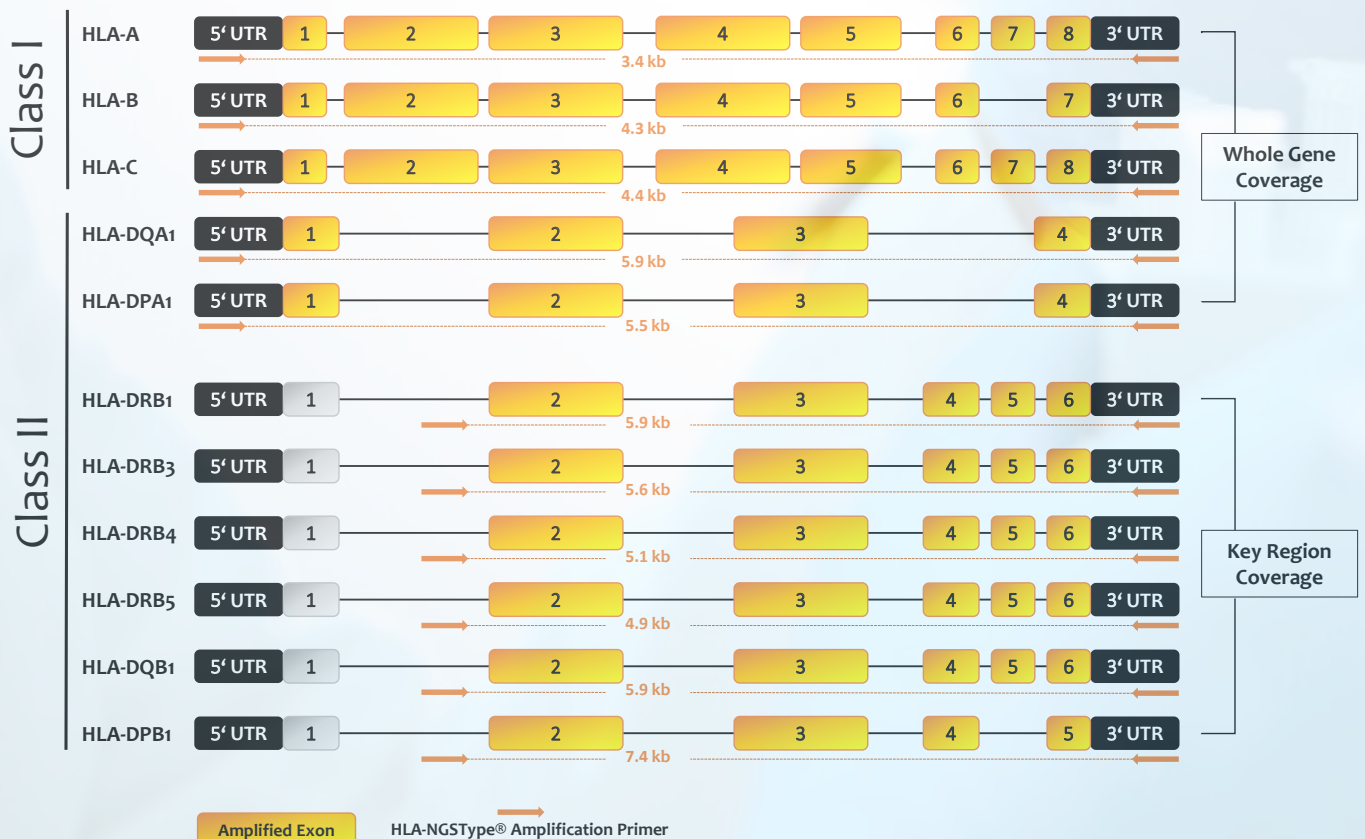
HLA-SuBiTo NGStype® uses Next-Generation-Sequencing for high resolution HLA typing of up to 11 loci and many samples in parallel.

It features an easy workflow with long-range PCR, fragmentation with library preparation, and can run on any Illumina NGS system. The collected data is automatically analysed on the convenient and powerful NGStype® Software.

The workflow



Coverage of all relevant 11 HLA loci

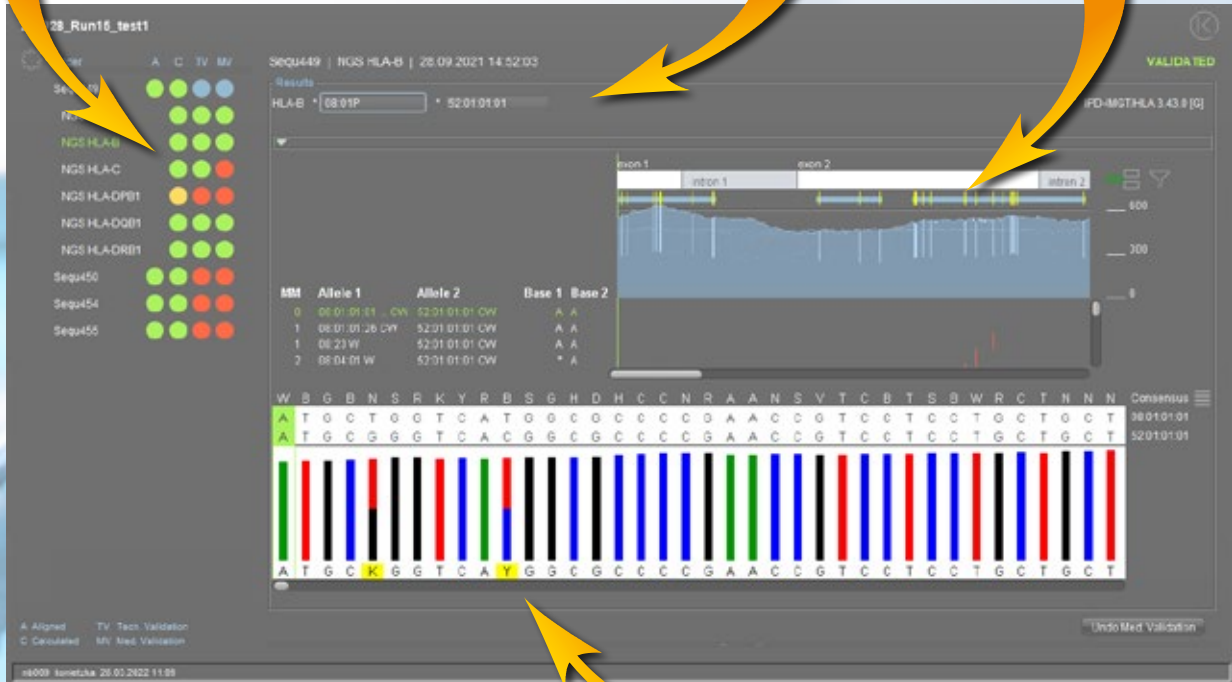


NGStype® Software

Sample and loci overview with color code for analysis status.

High resolution results with the ability to switch ambiguities from allele strings to P-/G-groups summary with a simple double-click.

Coverage plot with indicator for heterozygous positions and contigs.



Quantitative representation of each individual base.

Result							
Haplotype I	Haplotype II						
08:01:01:01	52:01:01:01						
<small>08:01:01:01:02 08:01:01:03 08:01:01:04 08:01:01:05 08:01:01:06 08:01:01:07 08:01:01:08 08:01:01:09 08:01:01:10 08:01:01:11 08:01:01:12 08:01:01:13 08:01:01:14 08:01:01:15 08:01:01:16 08:01:01:17 08:01:01:18 08:01:01:19 08:01:01:20 08:01:01:21 08:01:01:22 08:01:01:23 08:01:01:24 08:01:01:25 08:01:01:26 08:01:01:27 08:01:01:28 08:01:01:29 08:01:01:30 08:01:01:31 08:01:01:32 08:01:01:33 08:01:01:34 08:01:01:35 08:01:01:36 08:01:01:37 08:01:01:38 08:01:01:39 08:01:01:40 08:01:01:41 08:01:01:42 08:01:01:43 08:01:01:44 08:01:01:45 08:01:01:46 08:01:01:47 08:01:01:48 08:01:01:49 08:01:01:50 08:01:01:51 08:01:01:52 08:01:01:53 08:01:01:54 08:01:01:55 08:01:01:56 08:01:01:57 08:01:01:58 08:01:01:59 08:01:01:60 08:01:01:61 08:01:01:62 08:01:01:63 08:01:01:64 08:01:01:65 08:01:01:66 08:01:01:67 08:01:01:68 08:01:01:69 08:01:01:70 08:01:01:71 08:01:01:72 08:01:01:73 08:01:01:74 08:01:01:75 08:01:01:76 08:01:01:77 08:01:01:78 08:01:01:79 08:01:01:80 08:01:01:81 08:01:01:82 08:01:01:83 08:01:01:84 08:01:01:85 08:01:01:86 08:01:01:87 08:01:01:88 08:01:01:89 08:01:01:90 08:01:01:91 08:01:01:92 08:01:01:93 08:01:01:94 08:01:01:95 08:01:01:96 08:01:01:97 08:01:01:98 08:01:01:99 08:01:01:100</small>							
Typing result							
Fragment	Position	% cover	Min.	Max.	Average	Median	> Q30
exon 1 (88-188)	285-357	100,00 %	287	626	569	604	100,00 %
intron 1 (188-188)	358-486	100,00 %	274	594	515	531	98,76 %
exon 2 (188-188)	487-756	100,00 %	239	565	482	512	99,47 %
intron 2 (188-188)	757-1002	100,00 %	148	556	438	451	99,58 %
exon 3 (188-188)	1003-1278	100,00 %	178	449	401	443	99,70 %
intron 3 (188-188)	1279-1853	100,00 %	237	542	481	511	99,71 %
exon 4 (188-188)	1854-2129	100,00 %	213	444	422	410	99,78 %
intron 4 (188-188)	2130-2233	100,00 %	239	485	433	481	99,49 %
exon 5 (188-188)	2234-2350	100,00 %	229	484	449	452	99,52 %
intron 5 (188-188)	2351-2791	100,00 %	262	564	520	553	99,60 %
exon 6 (188-188)	2792-2824	100,00 %	498	536	512	509	99,61 %
intron 6 (188-188)	2825-2930	100,00 %	274	511	484	502	99,62 %
exon 7 (188-188)	2931-2974	100,00 %	222	441	423	434	99,63 %
Haplotype coverage							
Mismatches:	0						
Editions:	0						
Heterozygous:	76						
Position	Haplotype I	Haplotype II	Background				
289 (88-188)	T (97,9875 %)	G (97,9875 %)	0,0000 %				
295 (88-188)	T (97,9875 %)	C (97,9875 %)	0,0000 %				
325 (88-188)	C (97,9875 %)	G (97,9875 %)	0,0000 %				
328 (88-188)	C (97,9875 %)	G (97,9875 %)	0,0000 %				
332 (88-188)	C (97,9875 %)	A (97,9875 %)	1,0000 %				

Concise information on report

The locus specific report of the NGStype® Software contains all necessary information.

Results are displayed as a string of alleles and P-/G-group summary. Valuable information about each exon and intron are listed as well as the ratios for each heterozygous position.

Additionally, a summary report with all analyzed loci for a sample can be exported.

Advantages of HLA-SuBiTo NGStype®

- High resolution HLA typing
- 11 loci, 7 loci, and 6 loci versions
- Many samples in parallel
- Long-Range PCR with multiplexed reactions
- Fragmentation: ~400 bp per fragment
- Paired-end reads: 2*150 bp
- Works with all Illumina platforms

	HLA-SuBiTo NGStype® 6 loci	HLA-SuBiTo NGStype® 7 loci	HLA-SuBiTo NGStype® 11 loci
Article No.:	002 097 024	002 098 024	002 099 024
Sample/Kit	24	24	24
Multiplexes	2	2	3
HLA-A	•	•	•
HLA-B	•	•	•
HLA-C	•	•	•
HLA-DPA1			•
HLA-DPB1	•	•	•
HLA-DQA1		•	•
HLA-DQB1	•	•	•
HLA-DRB1	•	•	•
HLA-DRB3			•
HLA-DRB4			•
HLA-DRB5			•

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