

SCHEME 4A2 – CLASS I & II DNA HLA TYPING TO 2ND FIELD RESOLUTION

METHODOLOGY

SAMPLES 4A2 01-05/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	Date received	Date tested	Method used	HLA-A	HLA-B	HLA-C	DRB1	DRB3,4,5	DQA1	DQB1	DPA1	DPB1	IMGT/HLA allele database release used	Source of Primers and Probes			Detection method	Comments
														Commercial Kits	Own Design	Other		
9	19-Feb	various	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP						3.14.0 Oct 2013/3.15.0 Jan 2014	Yes	Yes	Invitrogen	Gel	4A2 04/2014: ambiguous combination of HLA-B*27:05 & *44:27
12	19-Feb	05-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT	SSP							Yes	Yes	Life Technologies	Gel	
15	19-Feb	27-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM			SSP	SSP/LUM	SSP	SSP/LUM	3.13.1.0	Yes	Yes	LifeCodes HLA SSO (LUM), Olerup (SSP), Own design (SBT)	Gel/Fluorescence	
19	20-Feb	26-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				SSP/LUM		SBT/LUM	3.13	Yes	Yes	GenProbe (LUM), In-house (SBT)	Fluorescence	
20	20-Feb	25-Feb	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT			SSP/SBT	SSP/SBT		SSP/SBT	3.13	Yes	Yes		Fluorescence	
24	20-Feb	04-Mar	SSP/SBT/LUM	SSP/SBT/LUM	SBT/LUM	SSP/LUM				SSP/LUM		SSP/LUM		Yes	Yes	Immucor, Olerup, GenDx	Gel/Fluorescence	
25	20-Feb	25-Feb	SSOP/SBT/Serology	SSOP/SBT/Serology	SSOP/SBT/Serology	SSOP/SBT/Serology							3.15.0 Jan 2014	Yes	Yes	GenProbe (LUM/SSOP), Life Technologies (SBT)	Gel/Fluorescence	
26	19-Feb	17-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM						SBT/LUM	3.11 and 3.13.1	Yes	Yes	VH Bio (SSO)	Fluorescence	
29	19-Feb	20-Feb - 04-Mar	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP								Yes	Yes	BAG (SSO), Olerup (SSP)	Gel/Reverse Dot Blot	
34	19-Feb		SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM				SSP/LUM	SSP/LUM	SSP/LUM		Yes	Yes	One Lambda, Immotrain, Olerup	Gel/Other	
35	20-Feb	20-Feb - 19-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				SSP/LUM		SSP/LUM	Jul-13	Yes	Yes	One Lambda, Life Technologies, GenDx	Gel/Fluorescence	
38	19-Feb	20-Feb - 31-Mar	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM				SSP/LUM	LUM	SSP/LUM	3.13.0 Jul 2013	Yes	Yes	One Lambda (SSO, SSP), Rose + Own Design (SBT)	Gel/Fluorescence	
39	20-Feb	25-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SSP/LUM				SSP/LUM		SSP	3.14.0	Yes	Yes	One Lambda, GenDx, Invitrogen, Olerup	Gel/Fluorescence	
42	19-Feb	21-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM						SBT/LUM		Yes	Yes	One Lambda, GenDx	Fluorescence	
45	20-Feb	28-Feb	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT						SSP/SBT	3.15.0	Yes	Yes	Life Technologies, Olerup, Tepnel	Gel/Fluorescence	
46	20-Feb	21-Feb - 04-Apr	SBT/LUM	SSP/SBT/LUM	SBT/LUM	SBT/LUM						LUM	3.15	Yes	Yes	One Lambda, Olerup, In-house Sequencing	Gel/Fluorescence	
62	20-Feb	24-Feb - 02-Apr	SSP/SSOP/SBT/LUM	SSP/SSOP/SBT/LUM	SSP/SSOP/SBT/LUM	SSP/SSOP/SBT/LUM				SSOP/LUM	SSOP/LUM	SSP/SSOP/LUM	3.13.1.0	Yes	Yes		Gel/Fluorescence	
101	19-Feb	20-Mar	SBT	SBT	SBT	SBT						SBT		Yes	Yes		Fluorescence	
112	20-Feb	20-Mar	LUM	LUM	LUM	LUM						LUM		Yes	Yes	One Lambda	Fluorescence	
113	19-Feb	25-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM						SSP/LUM	3.14.0.1	Yes	Yes	Ingen, Olerup	Gel	
115	20-Feb	20-Feb	SSP	SSP	SSP	SSP						SSP		Yes	Yes	Olerup	Gel	
119	28-Feb	19-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT/LUM				SSP/LUM		SSP/LUM		Yes	Yes	One Lambda, Olerup, Invitrogen, Abbott	Gel/Fluorescence	
123	20-Feb	24-Feb+21-Mar	SSP	SSP	SSP	SSP						SSP		Yes	Yes	One Lambda	Gel	
126	24-Feb	27-Feb	SSP	SSP	SSP	SSP						SSP		Yes	Yes	Olerup	Gel	
128	19-Feb	24-Feb	LUM	LUM	LUM	LUM						LUM		Yes	Yes	One Lambda	Fluorescence	
130	19-Feb	12-Mar	SSP/SBT	SBT	SBT	SSP/SBT			SSP	SSP/SBT	SSP	SBT	3.13.1	Yes	Yes	Olerup (SSP), SBT Excelsior/GenDx (SBT)	Gel/Fluorescence	
132	19-Feb	14-Mar	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM						SSP/SSOP/LUM		Yes	Yes	LifeCodes (Immucor), Olerup	Gel/Luminex	
133	20-Feb	17+20-23-Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT						SSP/SBT		Yes	Yes	GenDx (SBT), Olerup (SSP)	Gel/Fluorescence	
141	20-Feb	19-Mar	SSP	SSP	SSP	SSP			SSP	SSP		SSP		Yes	Yes	Olerup	Gel	
142	19-Feb	17-Mar	SBT	SBT	SBT	SBT						SBT	3.13.0	Yes	Yes	Protrans/Olerup (SSP), One Lambda (LUM)	Fluorescence	
145	19-Feb	28-Feb+11-Mar	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM			SSP/LUM	SSP/LUM		SSP/LUM		Yes	Yes	Olerup, One Lambda (LUM)	Gel	
147	19-Feb	19-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM		SSP				LUM		Yes	Yes	Olerup, One Lambda	Gel/Fluorescence	
149	19-Feb	20-Feb	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM			SSP	SSP		SSP		Yes	Yes	Protrans, Invitrogen, One Lambda, Abbott, Tepnel	Gel	
150	26-Feb	26-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM						SBT/LUM	Jan 2014	Yes	Yes	One Lambda	Fluorescence	
156	20-Feb	Mar	SSP/SBT	SSP/SBT	SSP/SBT	SSP/SBT						SSP		Yes	Yes	Olerup (SSP), Conexio (SBT)	Gel/ABI 3730	
158	19-Feb	1-Apr	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM	SSP/SBT/LUM						SSP/SBT		Yes	Yes	Immucor (SSO), Olerup (SSP), GenDx (SBT)	Gel/Fluorescence	
164	24-Feb	+27-Feb+06+12-Mar	SSP/SBT	SBT	SBT	SSP						SSP	3.13.1.0 Jul 2013	Yes	Yes	Celera, Olerup	Gel/Fluorescence	
165	5-Mar	12-Mar	SSP/SSOP	SSP/SSOP	SSP/SSOP	SSP/SSOP			SSOP	SSP/SSOP	SSOP	SSOP		Yes	Yes	Genovision, Olerup, Invitrogen	Gel	
178	20-Feb	31-Mar	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM				SSP		SSP		Yes	Yes		Fluorescence	
185	19-Feb	28-Feb	SBT/LUM	SBT/LUM	SBT/LUM	SBT/LUM						SSP/SBT/LUM	3.12.0	Yes	Yes	Protrans (SBT), Olerup (SSP), Immucor (SSO)	Gel	
242	20-Feb	15-Feb	SBT	SBT	SBT	SBT						SBT		Yes	Yes		Fluorescence	
245	19-Feb	19-Feb	SBT	SBT	SBT	SBT/LUM						SSP/SBT	3.13.0	Yes	Yes	Protrans (SBT), One Lambda (LUM), Olerup/Invitrogen (SSP)	Gel/Fluorescence	
248	31-Jan	18-Mar	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM	SSP/SSOP/LUM						SSP		Yes	Yes		Gel/Fluorescence	
259	20-Feb	24-31-Mar	SSP	SSP	SSP	SSP						SSP	3.15.0.07	Yes	Yes	Olerup	Gel	
260	20-Feb	24-Feb	SBT	SBT	SBT	SBT						SBT		Yes	Yes	Qiagen	Sequencer	
267	19-Feb	27-Feb	SBT	SBT	SBT	LUM						LUM	3.13.0 (SBT), 3.14.0 (LUM)	Yes	Yes	Protrans (SBT), Immucor (LUM)	Fluorescence	
268	24-Feb	Mar	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM/NGS	SSP/LUM		SSP				SSP/LUM/NGS	3.15.0	Yes	Yes	One Lambda (LUM), Olerup/Invitrogen (SSP), Own Design (NGS)	Gel/Fluorescence	
304	19-Feb	26-Feb	SSP/LUM	SSP/LUM	SSP/LUM	SSP/LUM						SSP/LUM		Yes	Yes	Ingen, Bionobis	Gel/Fluorescence	

\* Methods used  
 SSP = PCR-SSP  
 SSOP = PCR-SSOP  
 revSSOP = reverse SSOP  
 LUM = Luminex  
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SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 01/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*
9	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
12	2nd field	2nd field	2nd field	02:01/01L	11:01	40:02	51:01	02:02	15:02
15	2nd field	2nd field	2nd field	02:01/09/66/75/89/97/132/134/140/241/252	11:01/86/100/102	40:02/56/97/176	51:01/30/32/48/51/142	02:02/29	15:02
19	2nd field	2nd field	2nd field	02:01:01:01	11:01:01	40:02:01	51:01:01	02:02:02	15:02:01
20	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
24	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
25	2nd field	2nd field	2nd field	02:01/12/24/101/346	11:01/04/12/24/119	40:02/229	51:01/151	02:02/43/47	15:02/09/42
26	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
29	2nd field	2nd field	2nd field	02:01/241/252/256/266/294/327/329/357/397	11:01/126	40:02	51:01/142	02:02	15:02
34	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
35	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
38	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
39	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
42	2nd field	2nd field	2nd field	02:01/01L	11:01	40:02	51:01	02:02	15:02
45	2nd field	2nd field	2nd field	02:01:01	11:01:01	40:02:01	51:01:01	02:02:02/43	15:02:01/42
48	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
62	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02:02	15:02:01
101	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01:00	02:02/43/47	15:02/09/42
112	2nd field	2nd field	2nd field	02:01/09	11:01	40:02	51:01		
113	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
115	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
119	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
123	2nd field	2nd field	2nd field	02:01	11:02	40:02	51:01	02:02	15:02
126	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
128				02	11	40	51	02	15
130	2nd field	2nd field	2nd field	02:01:01:01/01:01:03	11:01:01	40:02:01	51:01:01	02:02:02	15:02:01
132	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
133	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
141	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
142	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01		
145	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
147	2nd field	2nd field	2nd field	02:01:01	11:01:01	40:02:01	51:01:01	02:02:02:01	15:02:01
149	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
150	2nd field	2nd field	2nd field	02:01:01:01	11:01:01	40:02:01	51:01:01	02:02:02:02	15:02:01
156	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01/142	02:02	15:02
158	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
164	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
165	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
178	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
185	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
242	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
245	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
248	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
259	2nd field	2nd field	2nd field	02:01	11:01:01	40:02:01	51:01:01	02:02	15:02:01
260	2nd field	2nd field	2nd field	02:01	11:01	40:02:01	51:01:01	02:02:02	15:02:01
267	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
268	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02
304	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 02/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*
9	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
12	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
15	2nd field	2nd field	2nd field	03:01/20/26/37/45/78/112/118/132	11:01/86/100/102	15:16	44:03	14:02/23/31	16:01/58
19	2nd field	2nd field	2nd field	03:01:01:01	11:01:01	15:16:01	44:03:01	14:02:01	16:01:01
20	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01/58
24	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
25	2nd field	2nd field	2nd field	03:01/56/63/65/127	11:01/12/20/24/117	15:16/222	44:03/79	14:02/05	16:01/23
26	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02/23/31	16:01
29	2nd field	2nd field	2nd field	03:01/26	11:01/126	15:16	44:03	14:02	16:01
34	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
35	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
38	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
39	2nd field	2nd field	2nd field	03:01/127	11:01/20	15:16	44:03	14:02	16:01
42	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
45	2nd field	2nd field	2nd field	03:01:01:01/01:01:03	11:01:01	15:16:01	44:03:01	14:02:01	16:01:01
48	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02/05	16:01/23
62	2nd field	2nd field	2nd field	03:01	11:01	15:16:01	44:03:01	14:02	16:01
101	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
112	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:02/03		
113	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
115	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
119	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
123	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
126	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
128				03	11	15	44	14	16
130	2nd field	2nd field	2nd field	03:01:01:01/01:01:03	11:01:01	15:16:01	44:03:01	14:02:01	16:01:01
132	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
133	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
141	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
142	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03		
145	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
147	2nd field	2nd field	2nd field	03:01:01:01	11:01:01	15:16:01	44:03:01	14:02:01	16:01:01
149	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
150	2nd field	2nd field	2nd field	03:01:01:01	11:01:01	15:16	44:03:01	14:02:01	16:01:01
156	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
158	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
164	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
165	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
178	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
185	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
242	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
245	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
248	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
259	2nd field	2nd field	2nd field	03:01	11:01:01	15:16:01	44:03	14:02:01	16:01:01
260	2nd field	2nd field	2nd field	03:01	11:01	15:16:01	44:03:01	14:02	16:01
267	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
268	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01
304	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 03/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*
9	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
12	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02/83	07:01/06/18
15	2nd field	2nd field	2nd field	01:01/32/37/45/81		08:01/109	37:01/23	06:02/55/73/83	07:01/06/18/52/153/166
19	2nd field	2nd field	2nd field	01:01:01:01		08:01:01:20	37:01:01	06:02:01:01/02:01:02	07:01:01:01/01:01:02
20	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02/83	07:01
24	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
25	2nd field	2nd field	2nd field	01:01		08:01/04	37:01/21	06:02/04/11/17/83	07:01/06/09/18/22/343
26	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02/83	07:01
29	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/166
34	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
35	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
38	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
39	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
42	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
45	2nd field	2nd field	2nd field	01:01:01:01		08:01:01:20	37:01:01	06:02:01/83	07:01
48	2nd field	2nd field	2nd field	01:01		08:01	37:01:00	06:02/31/83	07:01/06/18/165/343
62	2nd field	2nd field	2nd field	01:01:01:01		08:01	37:01:01	06:02	07:01
101	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02/83	07:01/06/18
112	2nd field	2nd field	2nd field	01:01		08:01	37:01		
113	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
115	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
119	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
123	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
126	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
128				01		08	37	06	07
130	2nd field	2nd field	2nd field	01:01:01:01		08:01:01	37:01:01	06:02:01	07:01:01
132	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
133	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
141	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
142	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01		
145	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
147	2nd field	2nd field	2nd field	01:01:01:01		08:01:01	37:01:01	06:02:01	07:01:01:01
149	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
150	2nd field	2nd field	2nd field	01:01:01:01		08:01:01	37:01:01	06:02:01:01	07:01:01:01
156	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
158	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
164	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
165	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01
178	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
185	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18
242	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
245	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02/83	07:01/06/18
248	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01
259	2nd field	2nd field	2nd field	01:01:01:01		08:01:01	37:01:01	06:02:01:01	07:01:01:01
260	2nd field	2nd field	2nd field	01:01:01:01	01:01:01:01	08:01	37:01:01	06:02:01	07:01
267	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02/83	07:01/06/18
268	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01
304	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 04/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A*	B*	C*
9	2nd field	2nd field	2nd field	02:01	27:05	44:02
12	2nd field	2nd field	2nd field	02:01/01L	27:05/13	44:02/02S
15	2nd field	2nd field	2nd field	02:01/09/66/75/89/97/132/134/140/241/252/256	27:05/13	44:02/27/66/118
19	2nd field	2nd field	2nd field	02:01:01:01	27:05:02	44:02:01:01/02:01:03
20	2nd field	2nd field	2nd field	02:01	27:05	44:02
24	2nd field	2nd field	2nd field	02:01	27:05	44:02
25	2nd field	2nd field	2nd field	02:01	27:05/13	44:02/19N/27
26	2nd field	2nd field	2nd field	02:01	27:05	44:02
29	2nd field	2nd field	2nd field	02:01/241/252/256/266/294/327/329/357/397	27:05	44:02
34	2nd field	2nd field	2nd field	02:01	27:05	44:02
35	2nd field	2nd field	2nd field	02:01	27:05	44:02
38	2nd field	2nd field	2nd field	02:01	27:05:00	44:02
39	2nd field	2nd field	2nd field	02:01	27:05	44:02
42	2nd field	2nd field	2nd field	02:01/01L	27:05	44:02
45	2nd field	2nd field	2nd field	02:01:01	27:05:02/05:04/13	44:02:01
48	2nd field	2nd field	2nd field	02:01	27:05/13	44:02/27
62	2nd field	2nd field	2nd field	02:01:01	27:05:00	44:02
101	2nd field	2nd field	2nd field	02:01	27:05/13	44:02/19N/27
112	2nd field	2nd field	2nd field	02:01/09	27:05	44:02
113	2nd field	2nd field	2nd field	02:01	27:05	44:02
115	2nd field	2nd field	2nd field	02:01	27:05	44:02
119	2nd field	2nd field	2nd field	02:01	27:05	44:02
123	2nd field	2nd field	2nd field	02:01	27:05	44:02
126	2nd field	2nd field	2nd field	02:01	27:05	44:02
128				02	27	44
130	2nd field	2nd field	2nd field	02:01:01:01/01:01:03	27:05	44:02
132	2nd field	2nd field	2nd field	02:01	27:05	44:02
133	2nd field	2nd field	2nd field	02:01	27:05	44:02
141	2nd field	2nd field	2nd field	02:01	27:05	44:02
				02:01	27:05	44:02
142	2nd field	2nd field				
145	2nd field	2nd field	2nd field	02:01	27:05	44:02
147	2nd field	2nd field	2nd field	02:01:01	27:05:02:01/05:02:02/13	44:02:01
149	2nd field	2nd field	2nd field	02:01	27:05	44:02
150	2nd field	2nd field	2nd field	02:01:01:01	27:05:02	44:02:01:01
156	2nd field	2nd field	2nd field	02:01:01	27:05:02	44:02
158	2nd field	2nd field	2nd field	02:01	27:05	44:02
164	2nd field	2nd field	2nd field	02:01	27:05	44:02
165	2nd field	2nd field	2nd field	02:01	27:05	44:02
178	2nd field	2nd field	2nd field	02:01	27:05	44:02
185	2nd field	2nd field	2nd field	02:01	27:05	44:02/27
242	2nd field	2nd field	2nd field	02:01	27:05	44:02
245	2nd field	2nd field	2nd field	02:01	27:05	44:02
248	2nd field	2nd field	2nd field	02:01	27:05	44:02
259	2nd field	2nd field	2nd field	02:01	27:05	44:02:01:01
260	2nd field	2nd field	2nd field	02:01:01	27:05	44:02
267	2nd field	2nd field	2nd field	02:01	27:05	44:02
268	2nd field	2nd field	2nd field	02:01	27:05	44:02
304	2nd field	2nd field	2nd field	02:01	27:05	44:02

Using the Protrans reagents we could not exclude the B\*44:27 allele (technical limit)

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 05/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*
9	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
12	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01
15	2nd field	2nd field	2nd field	01:01/32/37/45/81	29:02/26	08:01/109	44:03	07:01/06/18/52/153/166	16:01/58
19	2nd field	2nd field	2nd field	01:01:01:01	29:02:01:01:02:01:02	08:01:01:01:20	44:03:01	07:01:01:01:01:01:02	16:01:01
20	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01/58
24	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
25	2nd field	2nd field	2nd field	01:01/17/61	29:02/09/34	08:01/60	44:03/65	07:01/06/16/18/40/53/343	16:01/15/26/35
26	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03:00	07:01	16:01
29	2nd field	2nd field	2nd field	01:01	29:02/46	08:01	44:03	07:01/166	16:01
34	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
35	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
38	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
39	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
42	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
45	2nd field	2nd field	2nd field	01:01:01:01	29:02:01	08:01:01:01:02	44:03:01	07:01	16:01:01
48	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18/343	16:01
62	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03:01	07:01:01	16:01:01
101	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01
112	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03		
113	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
115	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
119	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
123	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
126	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
128				01	29	08	44	07	16
130	2nd field	2nd field	2nd field	01:01:01:01	29:02:01	08:01:01	44:03:01	07:01:01	16:01:01
132	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
133	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
141	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
142	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03		
145	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
147	2nd field	2nd field	2nd field	01:01:01:01	29:02:01	08:01:01	44:03:01	07:01:01:01	16:01:01
149	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
150	2nd field	2nd field	2nd field	01:01:01:01	29:02:01:01	08:01:01:01	44:03:01	07:01:01:01	16:01:01
156	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
158	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
164	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
165	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
178	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
185	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01
242	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
245	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01
248	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
259	2nd field	2nd field	2nd field	01:01:01:01	29:02:01:01	08:01:01	44:03	07:01:01:01	16:01:01
260	2nd field	2nd field	2nd field	01:01:01:01	29:02:01	08:01:01	44:03:01	07:01:01	16:01:01
267	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01
268	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01
304	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 01/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A* 02:01	A* 11:01	B* 40:02	B* 51:01	C* 02:02	C* 15:02	Acceptable Acceptable Unacceptable
2nd field				02:09/12/24/66/75/89/97/101/132/134/140	11:04/12/24	40:56/97	51:30/32/48/51	02:29	15:09	Acceptable Acceptable Unacceptable
9	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
12	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
15	2nd field	2nd field	2nd field	02:01/09/66/75/89/97/132/134/140	11:01	40:02/56/97	51:01/30/32/48/51	02:02/29	15:02	A
19	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
20	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
24	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
25	2nd field	2nd field	2nd field	02:01/12/24/101	11:01/04/12/24	40:02	51:01	02:02	15:02/09	A
26	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
29	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
34	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
35	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
38	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
39	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
42	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
45	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
48	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
62	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
101	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02/09	A
112	2nd field	2nd field	2nd field	02:01/09	11:01	40:02	51:01	02:02	15:02	A
113	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
115	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
119	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
123	2nd field	2nd field	2nd field	02:01	11:02	40:02	51:01	02:02	15:02	U
126	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
130	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
132	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
133	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
141	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
142	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
145	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
147	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
149	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
150	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
156	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
158	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
164	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
165	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
178	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
185	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
242	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
245	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
248	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
259	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
260	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
267	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
268	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A
304	2nd field	2nd field	2nd field	02:01	11:01	40:02	51:01	02:02	15:02	A

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 02/2014 DESPATCHED ON 18TH FEBRUARY 2014

Lab No.	A* res	B* res	C* res	A* 03:01	A* 11:01	B* 15:16	B* 44:03/79	C* 14:02	C* 16:01	Acceptable Acceptable
2nd field				03:20/26/37/45/56/63/65	11:12/20/24			14:05		Acceptable
							44:02			Unacceptable
9	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
12	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
15	2nd field	2nd field	2nd field	03:01/20/26/37/45	11:01	15:16	44:03	14:02	16:01	A
19	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
20	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
24	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
25	2nd field	2nd field	2nd field	03:01/56/63/65	11:01/12/20/24	15:16	44:03/79	14:02/05	16:01	A
26	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
29	2nd field	2nd field	2nd field	03:01/26	11:01	15:16	44:03	14:02	16:01	A
34	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
35	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
38	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
39	2nd field	2nd field	2nd field	03:01	11:01/20	15:16	44:03	14:02	16:01	A
42	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
45	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
48	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02/05	16:01	A
62	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
101	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
112	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:02/03			U
113	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
115	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
119	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
123	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
126	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
130	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
132	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
133	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
141	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
142	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03			A
145	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
147	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
149	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
150	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
156	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
158	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
164	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
165	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
178	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
185	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
242	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
245	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
248	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
259	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
260	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
267	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
268	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A
304	2nd field	2nd field	2nd field	03:01	11:01	15:16	44:03	14:02	16:01	A



SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 03/2014 DESPATCHED ON 18TH FEBRUARY 2014

				A*	A*	B*	B*	C*	C*	
				01:01	01:01/blank	08:01	37:01	06:02	07:01	Acceptable
2nd field				01:32/37/45		08:04	37:21	06:04/11/17	07:06/09/18/52	Acceptable
				Unacceptable						
Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	
9	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
12	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18	A
15	2nd field	2nd field	2nd field	01:01/32/37/45		08:01	37:01	06:02	07:01/06/18/52	A
19	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
20	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
24	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
25	2nd field	2nd field	2nd field	01:01		08:01/04	37:01/21	06:02/04/11/17	07:01/06/09/18	A
26	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
29	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
34	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
35	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
38	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
39	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
42	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
45	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
48	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18	A
62	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
101	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18	A
112	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
113	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
115	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
119	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
123	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
126	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
130	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
132	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
133	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
141	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
142	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
145	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01	A
147	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
149	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
150	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
156	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
158	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
164	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
165	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01	A
178	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
185	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18	A
242	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
245	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01/06/18	A
248	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01	A
259	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
260	2nd field	2nd field	2nd field	01:01	01:01	08:01	37:01	06:02	07:01	A
267	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01/06/18	A
268	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A
304	2nd field	2nd field	2nd field	01:01		08:01	37:01	06:02	07:01	A

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 04/2014 DESPATCHED ON 18TH FEBRUARY 2014

				A*	A*	B*	B*	C*	C*	
				02:01	02:01/blank	27:05	44:02	02:02	05:01	Acceptable
2nd field				02:09/66/75/89/97/132/134/140		27:13	44:19N/27/66	02:08/22/26/29	05:04/08/26	Acceptable
				Unacceptable						
Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	
9	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
12	2nd field	2nd field	2nd field	02:01		27:05/13	44:02	02:02	05:01	A
15	2nd field	2nd field	2nd field	02:01/09/66/75/89/97/132/134/140		27:05/13	44:02/27/66	02:02/29	05:01	A
19	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
20	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
24	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
25	2nd field	2nd field	2nd field	02:01		27:05/13	44:02/19N/27	02:02/08/22/26	05:01/04/08/26	A
26	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
29	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
34	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
35	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
38	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
39	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02/08	05:01	A
42	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
45	2nd field	2nd field	2nd field	02:01		27:05/13	44:02	02:02/26/08/22	05:01/26/04/08	A
48	2nd field	2nd field	2nd field	02:01		27:05/13	44:02/27	02:02/08/26	05:01/26	A
62	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
101	2nd field	2nd field	2nd field	02:01		27:05/13	44:02/19N/27	02:02	05:01	A
112	2nd field	2nd field		02:01/09		27:05	44:02			A
113	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
115	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
119	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
123	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
126	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
130	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
132	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
133	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
141	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
142	2nd field	2nd field		02:01	02:01	27:05	44:02			A
145	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
147	2nd field	2nd field	2nd field	02:01		27:05/13	44:02	02:02	05:01	A
149	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
150	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
156	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
158	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
164	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
165	2nd field	2nd field	2nd field	02:01	02:01	27:05	44:02	02:02	05:01	A
178	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
185	2nd field	2nd field	2nd field	02:01		27:05	44:02/27	02:02	05:01	A
242	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
245	2nd field	2nd field	2nd field	02:01	02:01	27:05	44:02	02:02	05:01	A
248	2nd field	2nd field	2nd field	02:01	02:01	27:05	44:02	02:02	05:01	A
259	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
260	2nd field	2nd field	2nd field	02:01	02:01	27:05	44:02	02:02	05:01	A
267	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
268	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A
304	2nd field	2nd field	2nd field	02:01		27:05	44:02	02:02	05:01	A

SCHEME 4A2 – CLASS I DNA HLA TYPING TO 2ND FIELD RESOLUTION

RESULTS OF PARTICIPATING LABORATORIES

SAMPLE 4A2 05/2014 DESPATCHED ON 18TH FEBRUARY 2014

				A*	A*	B*	B*	C*	C*	
				01:01	29:02	08:01	44:03	07:01	16:01	Acceptable
2nd field				01:32/37/45	29:09		44:65	07:06/09/16/18/40/52/53	16:15	Acceptable
Unacceptable										
Lab No.	A* res	B* res	C* res	A*	A*	B*	B*	C*	C*	
9	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
12	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
15	2nd field	2nd field	2nd field	01:01/32/37/45	29:02	08:01	44:03	07:01/06/18/52	16:01	A
19	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
20	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
24	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
25	2nd field	2nd field	2nd field	01:01/17	29:02/09	08:01	44:03/65	07:01/06/16/18/40/53	16:01/15	A
26	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
29	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
34	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
35	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
38	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
39	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
42	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
45	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
48	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
62	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
101	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
112	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03			A
113	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
115	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
119	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
123	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
126	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
130	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
132	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
133	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
141	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
142	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03			A
145	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
147	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
149	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
150	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
156	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
158	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
164	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
165	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
178	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
185	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
242	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
245	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
248	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
259	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
260	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
267	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01/06/18	16:01	A
268	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A
304	2nd field	2nd field	2nd field	01:01	29:02	08:01	44:03	07:01	16:01	A