

New York State Oncology - Molecular Detection Proficiency Test - February 2007
Summary of results

Sample	NYS#L/L 1 (2-07)				Overall diagnosis: neoplastic myeloid cell population, JAK2 positive																			
	SB				PCR				RT-PCR				FISH				All methods			Method used				
	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	Cons	SB	PCR	RT-PCR (qualitative)	RT-PCR (quantitative)	FISH
Ig H		6		G		24		G				I		3		G	0	33	G	Dako (4), home brew (2)	IVS (4), Biomed (6), home brew (14)			Vysis (2), unk (1)
Ig kappa		3		G		5		G				I				I	0	8	G	Dako (2), home brew (1)	IVS (1), Biomed (3), home brew (1)			
Ig lambda		1		I				I				I				I	0	1	I	home brew (1)				
TcR beta		7		G		6		G				I				I	0	13	G	Dako (5), home brew (2)	Biomed (4) home brew (1), IVS (1)			
TcR gamma			1	I	20		G					I				I	1	20	G		IVS (3) Biomed (2) home brew (16)			
TcR delta		1		I				I				I				I	0	1	I	home brew (1)				
Bcl2 t(14;18) MBR		1		I		13		G				I		3		G	0	17	G	home brew (1)	Biomed (2) homebrew(10), IVS (1)			Vysis (2), unk (1)
mcr				I		11		G				I				I	0	11	G		Biomed (2), home brew (8), IVS (1)			
MBR/mcr				I				I				I				I	0	0	I					
MBR 3'				I		2		G				I				I	0	2	G		Biomed (2)			
Bcl1 t(11;14)		1		I		6		G				I		2		G	0	9	G	home brew (1)	home brew (5), other (1)			Vysis (1), unk (1)
Bcr/abl t(9;22) p210		1		I		1		I	1	18		G				I	1	20	G	home brew (1)	home brew (1)	home brew (5)	home brew (13), Ipsogen (1)	
p190				I		1		I	1	14		G				I	1	15	G		home brew (1)	home brew (6)	home brew (8), Ipsogen (1)	
p210/190				I				I		5		G		3		G	0	8	G			home brew (1), Roche (1)	home brew (2), Roche (1)	Vysis (2), unk (1)
PML/RARa Long				I		1		I	1	11		G		6		G	1	18	G		home brew (1)	home brew (9)	home brew (3)	Vysis (6)
Short				I		1		I	0	10		G				I	0	11	G		home brew (1)	home brew (7)	home brew (3)	
Variable				I				I		5		G				I	0	5	G			home brew (5)		
Long/Short/Variable				I				I				I				I	0	0	I					
c-myc t(8;14)				I				I				I		2		G	0	2	G					Vysis (1), unk (1)
AML1/ETO t(8;21)				I		1		I		4	1	G		4		G	0	9	G		home brew (1)	home brew (4)	home brew (1)	Vysis (3), unk (1)
NPM/ALK t(2;5)				I				I		1		I		1		I	0	2	G			home brew (1)		Vysis (1)
TEL/AML1 t(12;21)				I				I		3		G		1		I	0	4	G			home brew (2)	home brew (1)	Vysis (1)
EBV				I		4		G				I				I	0	4	G		home brew (3) Roche (1)			
KSHV/HHV8				I		4		G				I				I	0	4	G		home brew (4)			
HTLV1				I		3		G				I				I	0	3	G		home brew (3)			
CBFB INV(16)				I				I		3		G		4		G	0	7	G			home brew (2)	home brew (1)	Vysis (3), unk (1)
E2A-PBX t(1;19)				I				I		1		I				I	0	1	I			home brew (1)		
MLL (11q23)				I				I		2		G		2		G	0	4	G			home brew (2)		Vysis (2)
JAK2 (V617F)				I	13			R	3	1		R				I	16	1	R		home brew (11), other (1), IVS (1)	home brew (2), unk (1)	home brew (1)	
FLT3 ITD				I		9		G				I				I	0	9	G		home brew (8), unk (1)			
FLT3 D835				I		9		G				I				I	0	9	G		home brew (8), unk (1)			
P53				I		1		I				I	1			I	1	1	I		home brew (1)			Vysis (1)
IgV _H mutation				I		1		I		1		I				I	0	2	G		home brew (1)	home brew (1)		
BCL-6				I				I				I		3		G	0	3	G					Vysis (2), unk (1)
Other: CLL				I				I				I	1			I	1	0	I					Vysis (1)

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Sample	NYS#L/L 2 (2-07)				Overall diagnosis: B clonal proliferation possibly with TcRβ rearrangement, c-myc and bcl-6 translocations																			
	SB				PCR				RT-PCR				FISH				All methods				Method used		RT-PCR (qualitative)	RT-PCR (quantitative)
Assay	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	Cons	SB	PCR	RT-PCR (qualitative)	RT-PCR (quantitative)	FISH
Ig H	6			R	5	20		G				I	2			R	13	20	R/G/R	Dako (4), home brew (2)	IVS (4), Biomed (6), home brew (15)			Vysis (1), unk (1)
Ig kappa		4		G	5			R				I				I	5	4	G/R	Dako (3), home brew (1)	Biomed (3) home brew (1), IVS(1)			
Ig lambda		1		I				I				I				I	0	1	I	home brew (1)				
TcR beta	3	4		I	5	1		R				I				I	8	5	I/R	Dako (5), home brew (2)	Biomed (4), home brew (1) IVS (1)			
TcR gamma				I		21		G				I				I	0	21	G		Biomed (2), home brew (16), IVS (3)			
TcR delta	1			I				I				I				I	1	0	I	home brew (1)				
Bcl2 t(14;18) MBR		1		I		13		G				I		4		G	0	18	G	home brew (1)	Biomed (2) homebrew(10), IVS (1)			Vysis (3), unk (1)
mcr				I		11		G				I				I	0	11	G		Biomed (2), home brew (8), IVS (1)			
MBR/mcr				I				I				I				I	0	0	I					
MBR 3'				I		2		G				I				I	0	2	G		Biomed (2)			
Bcl1 t(11;14)		1		I		6		G				I		2		G	0	9	G	home brew (1)	home brew (5) other (1)			Vysis (1), unk (1)
Bcr/abl t(9;22) p210		1		I		1		I	1	18		G				I	1	20	G	home brew (1)	home brew (1)	home brew (5)	home brew (13), Ipsogen (1)	
p190				I		1		I	1	14		G				I	1	15	G		home brew (1)	home brew (6)	home brew (8), Ipsogen (1)	
p210/190				I				I		5		G		3		G	0	8	G			home brew (1), Roche (1)	home brew (2), Roche (1)	Vysis (2), unk (1)
PML/RARa Long				I		1		I		12		G		3		G	0	16	G		home brew (1)	home brew (9)	home brew (3)	Vysis (2), unk (1)
Short				I		1		I		10		G				I	0	11	G		home brew (1)	home brew (7)	home brew (3)	
Variable				I				I		5		G				I	0	5	G			home brew (5)		
Long/short/variable				I				I				I				I	0	0	I					
c-myc t(8;14)				I				I				I	3			R	3	0	R					Vysis(2), unk (1)
AML1/ETO t(8;21)				I		1		I		5		G		3		G	0	9	G		home brew (1)	home brew (4)	home brew (1)	Vysis(2), unk (1)
NPM/ALK t(2;5)				I				I		1		I		1		I	0	2	G			home brew (1)		Vysis(1)
TEL/AML1 t(12;21)				I				I		3		G		1		I	0	4	G			home brew (2)	home brew (1)	Vysis(1)
EBV				I		4		G				I				I	0	4	G		home brew (3), Roche (1)			
KSHV/HHV8				I		4		G				I				I	0	4	G		home brew (4)			
HTLV1				I		3		G				I				I	0	3	G		home brew (3)			
CBFB INV(16)				I				I		3		G		3		G	0	6	G			home brew (2)	home brew (1)	Vysis(2), unk (1)
E2A-PBX t(1;19)				I				I		1		I				I	0	1	I			home brew (1)		
MLL (11q23)				I				I		2		G		1		I	0	3	G			home brew (2)		Vysis(1)
JAK2 (V617F)				I		13		G		4		G				I	0	17	G		home brew (11), other (1), IVS (1)	home brew (2), unk (1)	home brew (1)	
FLT3 ITD				I		9		G				I				I	0	9	G		home brew (8), unk (1)			
FLT3 D835				I		9		G				I				I	0	9	G		home brew (8), unk (1)			
P53				I	1			I				I		1		I	1	1	I		home brew (1)			Vysis(1)
IgV _H mutation				I		1		I	1			I				I	1	1	I		home brew (1)	home brew (1)		
BCL-6				I				I				I	4			R	4	0	R					Vysis(3), unk (1)
Other: CLL				I				I				I		1		I	0	0	I					Vysis(1)

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Summary of results

Sample	NYS#L/L 3 (2-07)				Overall diagnosis: B cell clonal proliferation, EBV positive																								
	SB				PCR				RT-PCR				FISH				All methods			Method used									
	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	ind	Cons	R	G	Cons	SB	PCR	RT-PCR (qualitative)	RT-PCR (quantitative)	FISH					
Ig H	6			R	23	2		R				I				1	1		I	30	3	R	Dako (4) home brew (2)	IVS (4), Biomed (6), home brew (15)				Vysis (1), unk (1)	
Ig kappa	3			R	5			R				I							I	8	0	R	Dako (2), home brew (1)	IVS (1), Biomed (3), home brew (1)					
Ig lambda		1		I				I				I							I	0	1	I	home brew (1)						
TcR beta	1	6		G		6		G				I							I	1	12	G	Dako (5) home brew (2)	Biomed (4), home brew (1) IVS (1)					
TcR gamma				I	2	19		G				I							I	2	19	G		Biomed (2), home brew (16), IVS (3)					
TcR delta		1		I				I				I							I	0	1	I	home brew (1)						
Bcl2 t(14;18) MBR		1		I		13		G				I			4			G	0	18	G	home brew (1)	Biomed (2) homebrew(10), IVS (1)					Vysis (3), unk (1)	
mcr				I		11		G				I						I	0	11	G		Biomed (2), home brew (8), IVS (1)						
MBR/mcr				I				I				I						I	0	0	I								
MBR 3'				I		2		G				I						I	0	2	G		Biomed (2)						
Bcl1 t(11;14)		1		I		6		G				I			3			G	0	10	G	home brew (1)	home brew (5) other (1)					Vysis (2), unk (1)	
Bcr/abl t(9;22) p210		1		I		1		I	1	18		G						I	1	20	G	home brew (1)	home brew (1)	home brew (5)	home brew (13), Ipsogen (1)				
p190				I		1		I	1	14		G						I	1	15	G		home brew (1)	home brew (6)	home brew (8), Ipsogen (1)				
p210/190				I				I		5		G			3			G	0	8	G			home brew (1), Roche (1)	home brew (2), Roche (1)		Vysis (2), unk (1)		
PML/RARa Long				I		1		I		12		G			3			G	0	16	G		home brew (1)	home brew (9)	home brew (3)		Vysis (2), unk (1)		
Short				I		1		I		10		G						I	0	11	G		home brew (1)	home brew (7)	home brew (3)				
Variable				I				I		5		G						I	0	5	G				home brew (5)				
Long/short/variable				I				I				I						I	0	0	I								
c-myc t(8;14)				I				I				I			2			G	0	2	G							Vysis (1), unk (1)	
AML1/ETO t(8;21)				I		1		I		5		G			3			G	0	9	G		home brew (1)	home brew (4)	home brew (1)		Vysis (2), unk (1)		
NPM/ALK t(2;5)				I				I		1		I			1			I	0	2	G			home brew (1)				Vysis (1)	
TEL/AML1 t(12;21)				I				I		3		G			1			I	0	4	G			home brew (2)	home brew (1)		Vysis (1)		
EBV				I	4			R				I						I	4	0	R		home brew (3), Roche (1)						
KSHV/HHV8				I		4		G				I						I	0	4	G		home brew (4)						
HTLV1				I		3		G				I						I	0	3	G		home brew (3)						
CBFB INV(16)				I				I		3		G			3			G	0	6	G			home brew (2)	home brew (1)		Vysis(2), unk (1)		
E2A-PBX t(1;19)				I				I		1		I						I	0	1	I			home brew (1)					
MLL (11q23)				I				I		2		G			1			I	0	3	G			home brew (2)			Vysis(1)		
JAK2 (V617F)				I		13		G	1	3		G						I	1	16	G		home brew (11), other (1), IVS (1)	home brew (2), unk (1)	home brew (1)				
FLT3 ITD				I		9		G				I						I	0	9	G		home brew (8), unk (1)						
FLT3 D835				I		9		G				I						I	0	9	G		home brew (8), unk (1)						
P53				I		1		I				I			1			I	0	2	G		home brew (1)				Vysis(1)		
IgV _H mutation				I	1		1	I	1			I						I	2	0	R		home brew (2)	home brew (1)					
BCL-6				I				I				I			4			G	0	4	G							Vysis(3), unk (1)	
Other: CLL				I				I				I			1			I	1	0	I							Vysis(1)	