Michigan Medicine Laboratories (MLabs)

MOLECULAR DIAGNOSTICS REQUISITION

MICHIGAN MEDICINE UNIVERSITY OF MICHIGAN	N-LNC Specimen Proce	essing	Client	Patient Reg or M	RN:				
.ABORATORIES	2800 Plymouth Rd, Bldg 35 Ann Arbor, MI 48109-2800			Patient Name:	Last		First	MI	
34.936.2598 • 800.8	362.7284 • mlabs.umich		Ward	Birthdate:			Gender: OM OF		
AX: 734.936.0755				Ordering Doctor	:Last		First	NPI#	
Patient Address	Cit	у	State	e ZIP	Но	me Pho	one #		
Policy Holders Name	Priı	mary Ins	urance (Card Name	e) Prima	ry Policy/Cor	ntract #	Primary Group #	Policy Holders DO	ОВ
Policy Holders Name	Sec	condary	Insurance (Card Na	me) Secoi	ndary Policy/0	Contrac	t # Secondary Group #	Policy Holders DO	ОВ
Bill To: □ Client/Ref	forring Institution	Pationt/	Insurance		If patient or i	ncurance	e information is not included or	attached to this form	vour
	= ☐ In Patient on DOS ☐			n Patient on DOS	facility will be	e billed.	For Medicare patients classified to the formula of	d as a hospital inpatient	or
Prior Authorization:		equire p	rior authorization fo	r payment. To obta			zation call Joint Venture Hosp n directly.	oital Laboratories (JVH	IL) at
	☐ Prior authorization obt			horization number					
D-10 CODES							billing. When ordering tests for whi ally necessary for the diagnosis and		sough
EFERRING PHYSIC eferring Physician	CIAN TO BE CONTACT		ITH RESULTS AN	D/OR QUESTIC	NS		Phone	Fax	
	·				C+	-4-			
ddress			City			ate	ZIP	Country	
ATIENT HISTORY		C - II+:	Data.	Time	0	F +	-1 (// #		
iagnosis:					Oam Opm)	rootno	ote: Case/Accn #		
	☐ EXTRACTED DNA (P☐ Na Heparin(G) green				⊐ Eluid □ Ot	ther so	ource/body site	□ Paraffin Block #	
Peripheral Blood	☐ Na Heparin(G) green			☐ Unstained Slice			•	☐ H & E Slides #	
· ·	, -				•		thologist interpretation at a s		
		/OI TEILE	<u> </u>	<u> </u>		iuue pa		•	
ACUTE MYELOID LEU	KEMIA	L	☐ UGT1A1 Promo	Promoter Methylat ter Genotyping	ion	L	☐ KIT Mutation for Melanom☐ NRAS Mutation	a - Exons 8, 9, 11, 13, 17	S, 1 S, T
	- □ CEBPA if NPM1 & FLT3-IT are both negative			with corresponding IHC	slide and report	S, T	☐ TERT Promoter Mutation		S, T
☐ FLT3 Mutation ☐	are both negative	L		NAL STROMAL TU	MOR		SARCOMA		
□ CEBPA Mutation □ IDH1 and IDH2 Muta	tions	L T, L	☐ KIT Mutation - E		I DD A E V/ OOE	S, T	☐ SYT/SSX Translocation (PCF☐ PAX/FOXO1 Translocation		S, T
☐ KIT D816V Mutation		T, L	☐ PDGFRA Mutati	perform:□PDGFRA□ ion for GIST	BRAF VOUUE	S, T	☐ EWSR1/WT1 Translocation		S, T S, T
\square KIT Mutation for AM		T, L	GENITOURINARY			٠, .	□ EWSR1/ATF1 Translocation		S, T
	anslocation (PCR) Quantitativ	∕e T, L	☐ Solid Tumor NG			S, T	☐ EWSR1/FLI1 & EWSR1/ERG		S, T
MYELOID NEOPLASM	IS			ment (FISH) (Cytogen	etics lab)	S, T	☐ EWSR1 (22q12) Rearrange		S, T
☐ Myeloid NGS Panel L						☐ MDM2 Amplification (FISH) S, T			
☐ JAK2 V617F Mutation If JAK2 V617F is negative, perform: ☐ CALR ☐ MPL ☐ JAK2 Exon 12 L			Cell CA & Other Tumors (Cytogenetics lab) ☐ TFEB (6p21) Rearrangement (FISH) for Renal Cell CarcinomaS, T			☐ CIC (19q13) Rearrangement (FISH) S, T☐ PDGFB (22q13) Rearrangement (FISH) S, T☐ S, T☐ CIC (19q13) Rearrangement (FISH) S, T☐ S, T			
☐ JAK2 Exon 12 Mutat		L	(Cytogenetics lab)	rangement (i ion) for ite	riai celi carcillorri	a3, i	☐ NR4A3 (9q22-9q31) Rearrar		S, T
☐ CALR Mutation		Ļ		arrangement (FISH)		S, T	THYROID CANCER	J ,	•
☐ MPL Mutation		L T, L	☐ TERT Promoter ☐ FGFR Translocat			S, T	☐ Solid Tumor NGS Panel		S, T
□ KIT D816V Mutation □ BCR/ABL1 Analysis, (
□ DCIVADET Allalysis, v	Ouantitativo					S, T	☐ BRAF V600E/V600K Mutat	ions	S, T
☐ BCR/ABL1 Kinase Do		Ĺ	☐ UroVysion™ (FIS			5, I U	☐ BRAF (7q34) Rearrangeme		S, T
□ BCR/ABL1 Kinase Do LYMPHOMA			☐ UroVysion™ (FIS GLIOMA	SH) (Bladder Cancer)		U	☐ BRAF (7q34) Rearrangeme ☐ RET Mutation		S, T S, T
LYMPHOMA	omain Mutation	Ĺ	☐ UroVysion™ (FIS	SH) (Bladder Cancer) S Panel			☐ BRAF (7q34) Rearrangeme ☐ RET Mutation ☐ TERT Promoter Mutation		S, T
LYMPHOMA	omain Mutation & IGK Gene Rearrangement)	L L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG	SH) (Bladder Cancer) S Panel Mutations		U S, T	☐ BRAF (7q34) Rearrangeme ☐ RET Mutation ☐ TERT Promoter Mutation BREAST CANCER	nt (FISH)	S, T S, T S, T
LYMPHOMA ☐ B Cell Clonality (IGH & ☐ B Cell Clonality (IGK C) ☐ B Cell Clonality (IGH C)	omain Mutation & IGK Gene Rearrangement) Gene Rearrangement) Gene Rearrangement)	T, L T, L T, L T, L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG ☐ IDH1 and IDH2 ☐ 1p/19q Deletior ☐ BRAF (7q34) Re.	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH)		S, T S, T S, T S, T	☐ BRAF (7q34) Rearrangeme ☐ RET Mutation ☐ TERT Promoter Mutation BREAST CANCER ☐ Solid Tumor NGS Panel (mu	nt (FISH) station, amplification, fusion)	S, T S, T S, T
LYMPHOMA □ B Cell Clonality (IGH & □ B Cell Clonality (IGK C □ B Cell Clonality (IGH C □ T Cell Clonality (TRG &	omain Mutation & IGK Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement)	T, L T, L T, L T, L T, L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG ☐ IDH1 and IDH2 ☐ 1p/19q Deletior ☐ BRAF (7q34) Re. ☐ BRAF V600E/V6	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations		S, T S, T S, T S, T S, T	☐ BRAF (7q34) Rearrangeme ☐ RET Mutation ☐ TERT Promoter Mutation BREAST CANCER	nt (FISH) station, amplification, fusion)	S, T S, T S, T
LYMPHOMA □ B Cell Clonality (IGH & □ B Cell Clonality (IGK C □ B Cell Clonality (IGH C □ T Cell Clonality (TRG & □ T Cell Clonality (TRG &	omain Mutation & IGK Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement)	T, L T, L T, L T, L T, L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG ☐ IDH1 and IDH2 ☐ 1p/19q Deletior ☐ BRAF (7q34) Re ☐ BRAF V600E/V6 ☐ MGMT Promote	S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations or Methylation		S, T S, T S, T S, T S, T S, T	☐ BRAF (7q34) Rearrangeme ☐ RET Mutation ☐ TERT Promoter Mutation BREAST CANCER ☐ Solid Tumor NGS Panel (mu ☐ HER2 (FISH) Send with correspond	nt (FISH) station, amplification, fusion)	S, T S, T S, T S, T
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & T Cell Clonality (TRG & T Cell Clonality (TRG & T Cell Clonality (TRG &	emain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement)	T, L T, L T, L T, L T, L T, L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG ☐ IDH1 and IDH2 ☐ 1p/19q Deletior ☐ BRAF (7q34) Re ☐ BRAF V600E/V6 ☐ MGMT Promote ☐ TERT Promoter	S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations or Methylation		S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter	nt (FISH) tation, amplification, fusion) ponding IHC slide and report Methylation	S, T S, T S, T S, T
LYMPHOMA □ B Cell Clonality (IGH & □ B Cell Clonality (IGK C □ B Cell Clonality (IGH C □ T Cell Clonality (TRG & □ T Cell Clonality (TRG &	emain Mutation & IGK Gene Rearrangement)	T, L T, L T, L T, L T, L	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG ☐ IDH1 and IDH2 ☐ 1p/19q Deletior ☐ BRAF (7q34) Re. ☐ BRAF V600E/V6 ☐ MGMT Promoter ☐ TERT Promoter LUNG CANCER	S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations er Methylation Mutation	lification, fusion)	S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Screen	nt (FISH) tation, amplification, fusion) ponding IHC slide and report Methylation	S, T S, T S, T S, T S, T S, T L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & T Cell Clonality (TRG & T Cell Clonality (TRG & T Cell Clonality (TRB & T Cell Clonality (TRB & IGH/BCL2 t(14;18) Tr	comain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Genslocation (PCR) anslocation (FISH) gement (FISH)	T, L T, L T, L T, L T, L T, L S, T	☐ UroVysion™ (FIS GLIOMA ☐ Solid Tumor NG☐ IDH1 and IDH2☐ 1p/19q Deletior☐ BRAF (7q34) Re☐ BRAF V600E/V6☐ MGMT Promoter☐ LUNG CANCER☐ Lung Cancer NG☐	S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations or Methylation		S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation	nt (FISH) tation, amplification, fusion) bonding IHC slide and report Methylation sening	S, T S, T S, T S, T S, T S, T L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & T Cell Clonality (TRG & T Cell Clonality (TRG & T Cell Clonality (TRB & T Cell Clonality (TRB & IGH/BCL2 t(14;18) Tr	comain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Genslocation (PCR) anslocation (FISH) gement (FISH)	T, L T, L T, L T, L T, L T, L S, T	☐ UroVysion™ (FIS GLIOMA☐ Solid Tumor NG☐ IDH1 and IDH2☐ 1p/19q Deletior☐ BRAF (7q34) Re☐ BRAF V600E/V6☐ MGMT Promote☐ TERT Promoter☐ LUNG CANCER☐ Lung Cancer NG☐ with PD-L1 Imm☐ EGFR Mutation☐	S Panel Mutations on (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation S Panel (mutation, amp unohistochemistry (22C: (NGS)		U S, T S,	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with correst □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati	nt (FISH) station, amplification, fusion) sonding IHC slide and report Methylation sening on	S, T S, T S, T S, T S, T S, T L L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGH & B Cell Clonality (IGH & T Cell Clonality (TRG & T Cell Clonality (TRB & T Cell Clonality (TRB & T Cell Clonality (TRB & HGH/BCL2 t(14;18) Tr BCL6 (3q27) Rearrang MYC (8q24) Rearrang If MYC (8q24) Rearrang	emain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement Gene Rearrang	T, L T, L T, L T, L T, L T, L S, T S, T S, T	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re □ BRAF V600E/V6 □ MGMT Promoter □ TERT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6	S Panel Mutations on (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation S Panel (mutation, amp unohistochemistry (22C: (NGS)		S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty	nt (FISH) station, amplification, fusion) conding IHC slide and report Methylation sening on ping	S, T S, T S, T S, T S, T L L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & T Cell Clonality (TRG & T Cell Clonality (TRG & T Cell Clonality (TRB & T Cell Clonality (TRB & IGH/BCL2 t(14;18) Tr	comain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement Gene R	T, L T, L T, L T, L T, L T, L S, T	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH) 200K Mutations er Methylation Mutation S Panel (mutation, amp 200K Mutations 200K Mutations	3 Lung)	S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromator	nt (FISH) station, amplification, fusion) conding IHC slide and report Methylation sening on ping	S, T S, T S, T S, T S, T S, T L L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGH & B Cell Clonality (IGH & Cell C	main Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gens Rearrangement) Genslocation (PCR) anslocation (FISH) gement (FISH) Gement (FISH) Gement (FISH) Gement (FISH)	T, L T, L T, L T, L T, L T, L S, T S, T S, T S, T	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ TERT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations er Methylation Mutation S Panel (mutation, amp unohistochemistry (22Ci (NGS) 000K Mutations ment for NSCLC (FIS	3 Lung)	S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty	nt (FISH) station, amplification, fusion) conding IHC slide and report Methylation sening on ping	S, T S, T S, T S, T S, T L L L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & CELL CLONAL) (IGH & B Cell Clonality (IGH & CELL CLONAL) (IGH &	comain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gens Rearrangement(Gens Rearrangement) Genslocation (PCR) Ganslocation (FISH) gement (FISH)	T, L T, L T, L T, L T, L T, L S, T S, T S, T S, T, T S, T, L	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promote □ TERT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger □ ROS1 (6q22) Re	S Panel Mutations In (FISH) Mutations In (FISH) Mutations Mutations Mutations Mutations Mutation Mutat	3 Lung)	S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato MISCELLANEOUS	nt (FISH) itation, amplification, fusion) conding IHC slide and report Methylation rening on ping sis Mutation	S, T S, T S, T S, T S, T L L L L S, T B
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & C C C C C C C C C C C C C C C C C C C	comain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gens Rearrangement(Gens Rearrangement) Genslocation (PCR) Ganslocation (FISH) gement (FISH)	T, L S, T S, T S, T S, T, L S, T, L S, T, C S, T, C	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ TERT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger	SP Annel Mutations on (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation SP Annel (mutation, amp unohistochemistry (22C: (NGS) 00K Mutations ment for NSCLC (FIS arrangement (FISH)	3 Lung)	S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with correst □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato MISCELLANEOUS □ Solid Tumor NGS Panel □ Biliary Tract Malignancy (FISH) □ Mesothelioma (FISH)	nt (FISH) station, amplification, fusion) sonding IHC slide and report Methylation sening on ping ssis Mutation	S, T S, T S, T S, T S, T L L L L L S, T B S, T
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGH & B Cell Clonality (IGH & T Cell Clonality (TRG & T Cell Clonality (TRG & T Cell Clonality (TRB & T Cell Clonality (TRB & GH/BCL2 t(14;18) Tr IGH/BCL2 t(14;18) Tr BCL6 (3q27) Rearrang MYC (8q24) Rearrang If MYC is positive, perform MALT1 (18q21) Rearr MYD88 (L265P) Muta BRAF V600E/V600K COLORECTAL CANCE Colorectal Cancer NGS F	emain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) anslocation (PCR) anslocation (FISH) gement (FISH)	T, L	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Imm □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger □ ROS1 (6q22) Re □ RET (10q11) Rea	SP Annel Mutations on (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation SP Annel (mutation, amp unohistochemistry (22C: (NGS) 00K Mutations ment for NSCLC (FIS arrangement (FISH)	3 Lung) iH)	U S, T S,	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with corresp □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scree □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato MISCELLANEOUS □ Solid Tumor NGS Panel □ Biliary Tract Malignancy (FI: □ Mesothelioma (FISH) □ Bone Marrow Transplant E	nt (FISH) station, amplification, fusion) conding IHC slide and report Methylation rening on ping ssis Mutation SH) ngraftment Analysis	S, T S, T S, T L L L L S, T B S, T L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (IGK & CELL CALL) (IGH & CE	omain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement() Gens Rearrangement() Gens Rearrangement() Gens Rearrangement() Gens Rearrangement() Gens Gens Gens Gens Gens Gens Gens Gens	T, L	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Imm □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger □ ROS1 (6q22) Re □ RET (10q11) Rea	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation S Panel (mutation, amp unohistochemistry (22C: (NGS) 000K Mutations ment for NSCLC (FIS arrangement (FISH) arrangement (FISH) on (FISH)	3 Lung) iH)	U S, T S,	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with correst □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Screl □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato MISCELLANEOUS □ Solid Tumor NGS Panel □ Biliary Tract Malignancy (FISH) □ Bone Marrow Transplant E □ HER2 (FISH) Send with correspe	nt (FISH) Itation, amplification, fusion) Conding IHC slide and report Methylation Itening Itenin	S, T S, T S, T S, T L L L S, T B S, T L S, T S, T S, T T S, T S, T S, T
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (TRG & T Cell Clonality (True)) (True)	omain Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gene Rearrangement) Gens Rearrangement) Gens Rearrangement (FISH) Gensol (FISH) Gement (FISH) Gement (FISH) Gement (FISH) Tangement (FISH) Tangement (FISH) Standard (FISH) Tangement (FISH)	T, L	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger □ ROS1 (6q22) Re □ RET (10q11) Rea □ MET Amplificati □ PD-L1 Immunoh	SH) (Bladder Cancer) S Panel Mutations n (FISH) arrangement (FISH) 00K Mutations or Methylation Mutation S Panel (mutation, amp unohistochemistry (22C: (NGS) 000K Mutations ment for NSCLC (FIS arrangement (FISH) arrangement (FISH) on (FISH)	3 Lung) iH) Lung)	U S, T S,	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with correst □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Scre □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato □ MISCELLANEOUS □ Solid Tumor NGS Panel □ Biliary Tract Malignancy (FI: □ Mesothelioma (FISH) □ Bone Marrow Transplant E □ HER2 (FISH) Send with correspe □ Microsatellite Instability Ar	nt (FISH) tation, amplification, fusion) bonding IHC slide and report Methylation bening on ping biss Mutation SH) ngraftment Analysis bonding IHC slide and report ballysis	S, T S, T S, T L L L L S, T B S, T L
LYMPHOMA B Cell Clonality (IGH & B Cell Clonality (IGK & B Cell Clonality (TRG & T Cell Clonality (True)) (True)	main Mutation & IGK Gene Rearrangement) Gene Rearrangement) & TRB Gene Rearrangement) & TRB Gene Rearrangement) Gene Rearrangement Gene Rearrangement Gene Rearrangement Gene Rearrangement Gene Rearrangement Gene (FISH) Gement (FISH) Gement (FISH) Gement (FISH) Gement (FISH) Tangement (FISH) T	T, L	□ UroVysion™ (FIS GLIOMA □ Solid Tumor NG □ IDH1 and IDH2 □ 1p/19q Deletior □ BRAF (7q34) Re. □ BRAF V600E/V6 □ MGMT Promote □ TERT Promoter LUNG CANCER □ Lung Cancer NG □ with PD-L1 Immu □ EGFR Mutation □ BRAF V600E/V6 □ KRAS Mutation □ ALK Rearranger □ ROS1 (6q22) Re □ RET (10q11) Rea □ MET Amplificati □ PD-L1 Immunoh MELANOMA □ Melanoma NGS □ BRAF V600E/V6	S Panel Mutations in (FISH) (Bladder Cancer) S Panel Mutations in (FISH) (FISH	3 Lung) iH) Lung)	S, T S, T S, T S, T S, T S, T S, T S, T	□ BRAF (7q34) Rearrangeme □ RET Mutation □ TERT Promoter Mutation BREAST CANCER □ Solid Tumor NGS Panel (mu □ HER2 (FISH) Send with correst □ PIK3CA Mutation GENETICS □ Germline MLH1 Promoter □ Cystic Fibrosis Carrier Screl □ Factor V Leiden Mutation □ Prothrombin 20210 Mutati □ UGT1A1 Promoter Genoty □ Hereditary Hemochromato MISCELLANEOUS □ Solid Tumor NGS Panel □ Biliary Tract Malignancy (FISH) □ Bone Marrow Transplant E □ HER2 (FISH) Send with correspe	nt (FISH) station, amplification, fusion) sonding IHC slide and report Methylation sening on ping sis Mutation SH) ngraftment Analysis sonding IHC slide and report nalysis er Methylation	S, T L L L S, T B S, T L S, T L S, T S, T L S, T S, T S,

Specimen Type: L = EDTA S = 1 H&E + 8 Unstained Slides U = Urine (UroCyte Collection Kit) T = Tissue B = Brushing