PhenoPath LABORATORIES
Expertise, Innovation and Excellence
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HEMATOPATHOLOGY REQUISITION FORM

THIS SECTION FOR PHENOPATH USE ONLY

HEME

CLINICAL SPECIMEN INFORMATION

Hosp/Inst where specimen collected_____

Collection Date _____ Collection Time _____

Specimen ID Block # / sublabel Tissue Source(s)

_____ _____ _____

_____ _____ _____

☐ Paraffin blocks: Tissue block(s)_____ Cell block(s) _____

☐ Formalin ☐ Bouin's ☐ B5 ☐ Prefer ☐ Michel's (skin IF TM) ☐ Other

☐ Slides: Unstained_____ Stained_____

☐ Smears: Air-dried_____ Fixed_____ Stained_____

☐ Blood ☐ BM aspirate ☐ BM core bx ☐ Body Fluid/CSF

☐ **CBC/WBC DIFFERENTIAL RESULTS (REQUIRED) - please attach**

NOTE: **Flow Cytometry**: Heparin preferred, EDTA ok
Fresh Specimens for PCR or FISH: EDTA preferred, Heparin ok

Multiple specimens submitted: ☐ Test all ☐ Select best block

CLINICAL HX / DX UNDER CONSIDERATION / REQUEST

☐ Perform & interpret tests determined medically necessary by PhenoPath MDs
☐ Perform & interpret only test(s) as requested

IMMUNOHISTOCHEMISTRY (IHC) - HEMATOLYMPHOID

PhenoPath pathologists, based on their medical judgment, will select antibodies that are necessary to answer your clinical question.

☐ Lymphoma vs. reactive hyperplasia
☐ Lymphoma vs. other malignancy
☐ Hodgkin vs. non-Hodgkin lymphoma
☐ Low grade lymphoma classification
☐ Aggressive lymphoma classification
☐ Plasma cell dyscrasia-multiple myeloma
☐ Acute leukemia
☐ MDS/MPD
☐ Langerhans cell histiocytosis/ dendritic cell proliferation
☐ Mast cell disease
☐ IgG4 sclerosing disease

FLUORESCENCE IN SITU HYBRIDIZATION (FISH)

☐ B cell non-Hodgkin lymphoma (NHL) - tests selected by PhenoPath MDs
☐ Myeloma prognostic FISH (tests selected by PhenoPath MDs)
☐ CLL/SLL panel _____ # PANL9102
☐ APL (acute promyelocytic leukemia, AML-M3) panel _____ # PANL9103
☐ MYC panel (FISH0009, FISH0015) _____ # PANL9101
☐ t(14;18) IGH/BCL2 _____ # FISH0005
☐ t(11;14) CCND1/IGH _____ # FISH0002
☐ t(11;18) MALT1/API2 _____ # FISH0003
☐ IGH (14q32) translocations (breakapart) _____ # FISH0015
☐ BCL6 (3q27) translocations (breakapart) _____ # FISH0018
☐ t(15;17) PML/RARA _____ # FISH0011
☐ MLL (11q23) translocations (breakapart) _____ # FISH0014
☐ t(9;22) BCR/ABL _____ # FISH0010
☐ Other (list): _____

FLOW CYTOMETRY (diagnosis under consideration)

☐ Lymphoma/mature LPD: Select one: ☐ B cell ☐ T cell ☐ Both B & T cell
☐ Acute lymphoblastic leukemia (ALL): Select one: ☐ B cell ☐ T cell
☐ Plasma cell dyscrasia ☐ CLL/SLL ☐ AML ☐ CML/MPD
☐ MRD testing for _____ ☐ PNH ☐ MDS
☐ ZAP-70/CD38 CLL Prognosis ☐ Other _____

CYTOGENETICS / FISH (may be sent to referral lab)

☐ Chromosome analysis w/karyotyping
☐ Karyotyping ☐ With reflexive FISH analysis (IF NEEDED) ☐ MDS

PCR

☐ B cell (IgH) # PCR0001 ☐ T cell (TCR-γ) # PCR0002 ☐ JAK2 # PCR0003

REQUESTING INSTITUTION NAME & ADDRESS

Phone _____ FAX _____

Ordering Pathologist/Physician

Name _____ NPI # _____

PATIENT INFORMATION

Name (Last, First, MI) _____

SSN # _____ DOB _____ ☐ Male ☐ Female

☐ Inpatient ☐ Outpatient ☐ Non-Hospital Patient

Address _____

_____ Phone _____

Medical Record # _____ Pt # _____

TREATING PHYSICIAN

_____
Name NPI #

☐ Mail/Fax add'l copy of report to treating physician
Complete information REQUIRED BELOW

Phone _____ Fax _____

Institution _____

Address _____

City, State Zip _____

BILLING INFO (Must be provided or Institution will be billed)
Please complete or attach copy of insurance card

BILL: ☐ Ins ☐ Medicare ☐ Medicaid (WA DSHS only) ☐ Institution ☐ Pt

Referral/Authorization # _____

ICD-9 # _____

Medicare # _____

Advance Beneficiary Notice ☐ Yes (provide copy) ☐ No

Healthplan _____

Address _____

Policy/Cert # _____ Group/Plan # _____

Name of Insured _____ Relationship _____

Secondary Insurance ☐ Yes (Please attach separate sheet) ☐ No

REQUIRED

Person completing form _____

Date _____ Phone _____

Send: REQS: ☐ DERM ☐ HEME ☐ HEMEONC ☐ MOL ☐ PATH ☐ PhenoBoxes ☐ Flow Media (RPMI) ☐ IF Media (Michel's)

DO NOT ORDER TESTS ON THIS SIDE – ORDER TESTS ON FRONT SIDE

Carcinoma
- bcl-10
- CD10 (CALLA)
- CD30 (embryonal)
- CDX-2
- CEA (CD66E)
- CEA family (CD66)
- Chorionic gonadotropin
- Chromogranin A
- Cytokeratins 1/10 (34βB4)
- Cytokeratins 5/6
- Cytokeratin 7
- Cytokeratin 8
- Cytokeratin 17
- Cytokeratin 19
- Cytokeratin 20
- Cytokeratin, high MW (34βE12)
- Cytokeratins (pan)
- EMA
- *EpCAM
- Estrogen receptor (ER)
- Galectin-3
- GCDFP-15 (Brst2)
- Glypican-3 (GPC3)
- HBME-1
- HepPar1
- Inhibin-alpha
- Mammaglobin
- p63
- p504s (AMACR)
- PAX-2
- PAX-8
- Progesterone receptor (PR)
- Prostate specific antigen
- Prostatic acid phosphatase
- Smoothelin
- Surfactant ApoA1
- Synaptophysin
- TFE3
- Thyroglobulin
- TTF-1
- Uroplakin
- Villin
- Vimentin
- WT-1

Hormones
- ACTH
- Calcitonin
- FSH
- Gastrin
- Glucagon
- Growth hormone
- Insulin
- Leutinizing hormone
- Pancreatic polypeptide
- Parathormone (PTH)
- Prolactin
- Serotonin
- Somatostatin
- Thyroid stimulating hormone
- VIP

Spindle cell & SBRCT lesions /Undifferentiated neoplasms
- Actin, muscle specific (HHF-35)
- Actin, smooth muscle alpha
- Beta-catenin
- Caldesmon
- c-kit (CD117)
- CD31
- CD34
- CD35
- CD99
- CD117 (c-kit)
- Collagen, type IV
- D2-40 (podoplanin)

Spindle cell & SBRCT lesions/Undifferentiated neoplasms (continued)
- Desmin
- DOG1
- EMA
- FLI-1
- gp100 (HMB-45)
- INI-1
- Ki-67 antigen
- MyoD1
- Myogenin
- Myoglobin
- NB84 antigen
- p75NTR
- Podoplanin (D2-40)
- S100
- TFE3
- TLE-1
- WT-1

Prognostic markers
- Androgen receptor
- Cyclo-oxygenase-2 (COX2)
- EGFR (31G7) by IHC
- EGFR by FISH
- Estrogen receptor (ER)
- HER2 by FISH
- HER2 by IHC
- HER2HercepTest™ by IHC
- Ki-67 antigen
- p53
- Progesterone receptor (PR)
- Thymidylate synthase
- Topoisomerase II α by FISH
- Topoisomerase II α by IHC
- VEGF

Hematolymphoid
- +ALK protein (p80)
- bcl-2
- +bcl-6
- +Bob-1
- c-kit (CD117)
- CD1a
- CD2
- CD3
- CD4
- CD5
- CD7
- CD8
- *CD9
- CD10 (CALLA)
- *CD11c
- *CD13
- *CD14
- CD15
- *CD16
- *CD19
- CD20
- +CD21
- CD22
- CD23
- CD25 (IL-2 R β)
- CD30 (Ki-1 antigen)
- +CD31
- *CD33
- CD34
- +CD35
- *CD38
- *CD41
- +CD43
- CD45 (LCA)
- CD52 (CAMPATH 1H)
- CD56 (NCAM)
- +CD57
- *CD59

Hematolymphoid (continued)
- *CD61
- *CD64
- *CD66b
- +CD68
- *CD71
- CD79a
- *CD90
- CD99
- *CD103
- CD117
- CD123
- *CD133
- +CD138
- *CD158a
- *CD158b
- *CD158e
- + CD163
- + CXCL13
- +Cyclin D1
- +DBA.44 (Hairy Cell)
- +Fascin
- *FMC7
- + FOXP1
- + GCET
- +Glycophorin A
- +Hemoglobin A
- *HLA-DR
- +IgA
- +IgD
- +IgG
- +IgG4
- +IgM
- Kappa light chains
- +Ki-67 antigen
- Lambda light chains
- +Lysozyme
- +MUM1
- Myeloperoxidase
- +Oct-2
- +Pan-TCR-β
- +PAX-5
- *TCR-α/β
- *TCR-β isoforms (24 antibodies)
- *TCR-γ/δ
- TdT
- +TIA-1
- +TRAcP
- +Tryptase
- +vWF
- ZAP-70

Breast
- Androgen receptor
- Calponin
- E-cadherin
- Estrogen receptor (ER)
- HER2 by FISH
- HER2 by IHC
- HER2 HercepTest™
- Ki-67
- Maspin
- p63
- Progesterone receptor (PR)
- SMMHC
- Topoisomerase II α by FISH
- Topoisomerase II α by IHC

Germ Cell Markers
- AFP
- βHCG
- CD30
- Cytokeratins (pan)
- Inhibin-alpha
- Oct-3/4

Germ Cell Markers (cont)
- Placental lactogen
- PLAP

Organisms
- Adenovirus
- BK virus
- Chlamydia
- Cytomegalovirus
- EBV (EBER1 ISH)
- EBV-LMP1
- Helicobacter pylori
- Hepatitis B core Ag
- Hepatitis B surface Ag
- Herpes virus
- HHV8 (human Herpes virus 8 - KSHV)
- JC virus
- Legionella
- p16 (surrogate marker for high-risk HPV)
- Parvovirus
- Pneumocystis
- Polyomavirus
- Respiratory syncytial virus
- SV-40 virus
- Toxoplasma
- Varicella zoster

Microsatellite Instability
- MLH1
- MSH2
- MSH6
- PMS2

Melanoma
- gp100 (HMB-45)
- MART-1 antigen
- Microphthalmia transcription factor (MTF)
- S100
- Tyrosinase

Amyloid Subtyping
- @ Amyloid A (AA)
- @ Amyloid Beta
- @ Amyloid P (P component)
- @ Beta-2 microglobulin
- Congo Red (sp. stain)
- @ Kappa
- @ Lamda
- @ Transthyretin (prealbumin)

Adenocarcinoma versus mesothelioma
- Ber-Ep4
- Bg8
- Calretinin
- Cytokeratins 5/6
- D2-40 (podoplanin)
- HBME-1
- Mesothelin
- MOC-31
- Thrombomodulin
- WT-1

Miscellaneous
- Alpha-1 antitrypsin
- Androgen receptor
- Caspase 3 fragment
- GFAP *(glial fibrilliary acidic protein)*
- Mitochondria
- Neurofilaments
- p16
- p21-WAF1
- p53
- p57
- Vimentin

Floater/tissue Contaminant
- Blood group A
- Blood group B
- CEP-X/CEP-Y (FISH0012)

Direct Immunofluorescence (DIF) (skin…)
- Complement (C3)
- IgA
- IgG
- IgM

Indirect Immunofluorescence (IIF)
(serum required)

Salt-Split Skin Immunofluorescence
- from serum
- from skin/mucosa bx

FISH Tests & Panels

	1p36/19q13-Oligodendroglioma	FISH0013
	EGFR/CEP7	FISH0016
	EWSR1 (22q12) trans (BAP)	FISH0004
	HER2/CEP17 (PathVysion™)	FISH0001
	MDM-2/SE12	FISH0023
	TP53/CEP17	FISH0024
	SMS/RARA	FISH0022
	SS18(SYT)-translocations (BAP)	FISH0006
	TOP2A/CEP17	FISH0017
	BCL6 translocations (BAP)	FISH0018
§	IgH (14q32) translocations (BAP)	FISH0015
	MALT1(18q21)translocations (BAP)	FISH0007
§	MYC (8q24) translocations (BAP)	FISH0009
§	t(4;14) FGFR3/IGH	FISH0020
§	t(11;14) CCND1/IGH	FISH0002
	t(14;18) IGH/MALT1	FISH0008
	t(14;16) IGH/MAF	FISH0027
	t(11;18) MALT1/API2	FISH0003
§	t(14;18) IGH/BCL2	FISH0005
§	t(9;22) BCR/ABL	FISH0010
√	MLL (11q23) translocations (BAP)	FISH0014
√	t(15;17) PML/RARA	FISH0011
§	RARA(17q21) translocations (BAP)	FISH0019
	CEP-X / CEP-Y	FISH0012
	Hydatidiform Mole Panel (CEP17FISH, p57IHC, MIB1IHC)	PANL9104
§	MYC Panel (FISH0009, FISH0015)	PANL9101
√	CLL Panel	PANL9102
√	APL Panel (FISH0011, FISH0019)	PANL9103

CISH Tests

EBV (EBER1 mRNA)	CISH0001

PCR

GENE REARRANGEMENT:	
B cell (IGH)	PCR0001
T cell (TCR-γ)	PCR0002
MUTATIONAL ANALYSIS	
BRAF	PCR0004
EGFR	PCR0007
JAK2	PCR0003
KRAS	PCR0005
KRAS/BRAF Panel	PANL9105

For the most up-to-date listing of tests, see our website: www.phenopath.com

All of the above listed tests can be performed on paraffin-embedded tissue sections, with the following exceptions:

1. CD52 testing requires fresh tissue specimens.
2. Hematolymphoid tests – can be run by either IHC or flow, except as follows:
   - * = Performed by flow cytometry only and requires fresh specimens
   - + = Performed by IHC only and can be performed on paraffin-embedded tissue sections
   - @ Please also submit 8 μm section for correlative Congo Red stain
3. DIF testing requires tissue in Michel's, and IIF testing requires serum.
4. FISH tests are run on formalin-fixed, paraffin-embedded sections, except as follows:
   - √ = Requires fresh specimens
   - § = Can be performed on either fresh or formalin-fixed, paraffin-embedded tissues
   - BAP = breakapart probe