

**PATHOLOGY REQUISITION FORM**

**THIS SECTION FOR PHENOPATH USE ONLY**

**PATH**

**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 \_\_\_\_\_

**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

**BREAST MARKER STUDIES**

- ER/PR  ER  PR  p53  MIB-1

**HER2 TESTING** (if equivocal by IHC or FISH, we reflex to other method)

- HER2 by IHC  HER2 by FISH (FISH0001)
- Reflex to Topoisomerase II $\alpha$  (TOP2A/CEP17 FISH0017) if HER2 +
- Alternative chrom17 normalization probes for HER2 eval:*  
SMS/RARA (FISH0022); TP53/CEP17 (FISH0024)
- Myoepithelial markers to r/o invasive carcinoma
  - If invasive CA, run the above selected markers
- E-cadherin to differentiate ductal from lobular CA
- R/O basal-like breast CA

**BREAST MARKER STUDIES FIXATION (ASCO/CAP REQUIREMENT)**

Fixative:  Formalin  Other \_\_\_\_\_  
Fixation duration: > 6 & < 48 hours  Yes  No  Unknown

**IMMUNOHISTOCHEMISTRY PANELS**

- Pituitary panel  Other \_\_\_\_\_
- Amyloid analysis/typing \_\_\_\_\_
- Microsatellite instability (MMR) by IHC

**FLUORESCENCE IN SITU HYBRIDIZATION (FISH) & CISH**

- HER2/CEP17 (PathVysionTM) \_\_\_\_\_ # FISH0001
- TOP2A/CEP17 \_\_\_\_\_ # FISH0017
- TP53/CEP17 \_\_\_\_\_ # FISH0024
- SMS/RARA \_\_\_\_\_ # FISH0022
- EGFR/CEP7 \_\_\_\_\_ # FISH0016
- EWSR1 (22q12) translocations (breakapart) \_\_\_\_\_ # FISH0004
- SS18 (SYT) translocations (breakapart) \_\_\_\_\_ # FISH0006
- MDM-2/SE12 \_\_\_\_\_ # FISH0023
- 1p36/19q13 - Oligodendroglioma panel \_\_\_\_\_ # FISH0013
- CEP-X/CEP-Y \_\_\_\_\_ # FISH0012
- Hydatid. Mole Panel (CEP-17 FISH + p57 IHC + MIB IHC) # PANL9105
- EBV (EBER1 mRNA BY ISH) \_\_\_\_\_ # CISH0001

**PCR MUTATION ANALYSES**

- KRAS & BRAF \_\_\_\_\_ # PANL9105  EGFR \_\_\_\_\_ # PCR0007
- BRAF \_\_\_\_\_ # PCR0004  JAK2 \_\_\_\_\_ # PCR0003
- KRAS \_\_\_\_\_ # PCR0005

**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)

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

<p><b>Carcinoma</b>                  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</p> <p><b>Hormones</b>                  ACTH                  Calcitonin                  FSH                  Gastrin                  Glucagon                  Growth hormone                  Insulin                  Leutinizing hormone                  Pancreatic polypeptide                  Parathormone (PTH)                  Prolactin                  Serotonin                  Somatostatin                  Thyroid stimulating hormone                  VIP</p> <p><b>Spindle cell &amp; SBRCT lesions /Undifferentiated neoplasms</b>                  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)</p>	<p><b>Spindle cell &amp; SBRCT lesions/Undifferentiated neoplasms (continued)</b>                  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</p> <p><b>Prognostic markers</b>                  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</p> <p><b>Hematolymphoid</b>                  +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</p>	<p><b>Hematolymphoid (continued)</b>                  * 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</p> <p><b>Breast</b>                  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</p> <p><b>Germ Cell Markers</b>                  AFP                  βHCG                  CD30                  Cytokeratins (pan)                  Inhibin-alpha                  Oct-3/4</p>	<p><b>Germ Cell Markers (cont)</b>                  Placental lactogen                  PLAP</p> <p><b>Organisms</b>                  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</p> <p><b>Microsatellite Instability</b>                  MLH1                  MSH2                  MSH6                  PMS2</p> <p><b>Melanoma</b>                  gp100 (HMB-45)                  MART-1 antigen                  Microphthalmia transcription factor (MTF)                  S100                  Tyrosinase</p> <p><b>Amyloid Subtyping</b>                  @ Amyloid A (AA)                  @ Amyloid Beta                  @ Amyloid P (P component)                  @ Beta-2 microglobulin Congo Red (sp. stain)                  @ Kappa                  @ Lamda                  @ Transthyretin (prealbumin)</p> <p><b>Adenocarcinoma versus mesothelioma</b>                  Ber-Ep4                  Bg8                  Calretinin                  Cytokeratins 5/6                  D2-40 (podoplanin)                  HBME-1                  Mesothelin                  MOC-31                  Thrombomodulin                  WT-1</p> <p><b>Miscellaneous</b>                  Alpha-1 antitrypsin                  Androgen receptor                  Caspase 3 fragment                  GFAP (glial fibrillary acidic protein)                  Mitochondria                  Neurofilaments                  p16                  p21-WAF1                  p53                  p57                  Vimentin</p>	<p><b>Floater/tissue Contaminant</b>                  Blood group A                  Blood group B                  CEP-X/CEP-Y (FISH0012)</p> <p><b>Direct Immunofluorescence (DIF) (skin...)</b>                  Complement (C3)                  IgA                  IgG                  IgM</p> <p><b>Indirect Immunofluorescence (IIF)</b>                  (serum required)</p> <p><b>Salt-Split Skin Immunofluorescence</b>                  from serum                  from skin/mucosa bx</p> <p><b>FISH Tests &amp; Panels</b></p> <table border="0"> <tr><td>1p36/19q13-Oligodendroglioma</td><td>FISH0013</td></tr> <tr><td>EGFR/CEP7</td><td>FISH0016</td></tr> <tr><td>EWSR1 (22q12) trans (BAP)</td><td>FISH0004</td></tr> <tr><td>HER2/CEP17 (PathVysion™)</td><td>FISH0001</td></tr> <tr><td>MDM-2/SE12</td><td>FISH0023</td></tr> <tr><td>TP53/CEP17</td><td>FISH0024</td></tr> <tr><td>SMS/RARA</td><td>FISH0022</td></tr> <tr><td>SS18(SYT)-translocations (BAP)</td><td>FISH0006</td></tr> <tr><td>TOP2A/CEP17</td><td>FISH0017</td></tr> <tr><td>BCL6 translocations (BAP)</td><td>FISH0018</td></tr> <tr><td>§ IgH (14q32) translocations (BAP)</td><td>FISH0015</td></tr> <tr><td>MALT1(18q21)translocations (BAP)</td><td>FISH0007</td></tr> <tr><td>§ MYC (8q24) translocations (BAP)</td><td>FISH0009</td></tr> <tr><td>§ t(4;14) FGFR3/IGH</td><td>FISH0020</td></tr> <tr><td>§ t(11;14) CCND1/IGH</td><td>FISH0002</td></tr> <tr><td>t(14;18) IGH/MALT1</td><td>FISH0008</td></tr> <tr><td>t(14;16) IGH/MAF</td><td>FISH0027</td></tr> <tr><td>t(11;18) MALT1/API2</td><td>FISH0003</td></tr> <tr><td>§ t(14;18) IGH/BCL2</td><td>FISH0005</td></tr> <tr><td>§ t(9;22) BCR/ABL</td><td>FISH0010</td></tr> <tr><td>√ MLL (11q23) translocations (BAP)</td><td>FISH0014</td></tr> <tr><td>√ t(15;17) PML/RARA</td><td>FISH0011</td></tr> <tr><td>§ RARA(17q21) translocations (BAP)</td><td>FISH0019</td></tr> <tr><td>CEP-X / CEP-Y</td><td>FISH0012</td></tr> <tr><td><u>Hydatidiform Mole Panel</u></td><td><u>PANL9104</u></td></tr> <tr><td>(CEP17FISH, p57IHC, MIB1IHC)</td><td></td></tr> <tr><td>§ <u>MYC Panel (FISH0009, FISH0015)</u></td><td><u>PANL9101</u></td></tr> <tr><td>√ <u>CLL Panel</u></td><td><u>PANL9102</u></td></tr> <tr><td>√ <u>APL Panel (FISH0011, FISH0019)</u></td><td><u>PANL9103</u></td></tr> </table> <p><b>CISH Tests</b>                  EBV (EBER1 mRNA) CISH0001</p> <p><b>PCR</b></p> <p><b>GENE REARRANGEMENT:</b>                  B cell (IGH) PCR0001                  T cell (TCR-γ) PCR0002</p> <p><b>MUTATIONAL ANALYSIS</b>                  BRAF PCR0004                  EGFR PCR0007                  JAK2 PCR0003                  KRAS PCR0005                  KRAS/BRAF Panel PANL9105</p>	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	<u>Hydatidiform Mole 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For the most up-to-date listing of tests, see our website: [www.phenopath.com](http://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