



**CLIENT INFORMATION**

**CLIENT:** \_\_\_\_\_ **ORDERING PHYSICIAN:** \_\_\_\_\_

**FACILITY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_

**FAX:** \_\_\_\_\_

**\*SERVICE LEVEL:**  Global  Technical Only

**REFERRING PHYSICIAN:**  SEND COPY OF GLOBAL REPORTS

Name: \_\_\_\_\_

Fax: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

**PATIENT INFORMATION** **SPECIMEN INFORMATION**

**\* Last Name** \_\_\_\_\_ **\* First Name** \_\_\_\_\_

**\* Date of Birth** \_\_\_\_/\_\_\_\_/\_\_\_\_ **Social Security Number** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**\* Street Address** \_\_\_\_\_ **\* Gender:**  Male  Female

\_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ **Home Phone Number**

**\* City** \_\_\_\_\_ **Work Phone Number** \_\_\_\_\_

**\* State** \_\_\_\_\_ **\* Zip Code** \_\_\_\_\_ **Case Number / Accession Number** \_\_\_\_\_

**\* Date of Service:** \_\_\_\_/\_\_\_\_/\_\_\_\_ **\* Collection Time:** \_\_\_\_:\_\_\_\_ AM/PM

**\* Body Site/Source:** \_\_\_\_\_ **Sub Site:** \_\_\_\_\_

*\*Please select the Sample Type(s) by indicating the quantity submitted:*

|                     |                           |                        |
|---------------------|---------------------------|------------------------|
| <b>Blood:</b>       | <b>General:</b>           | <b>Slides:</b>         |
| ____ Green-Top(s)   | ____ Paraffin Block(s)    | ____ Unstained Tissue  |
| ____ Purple-Top(s)  | ____ Body Fluid (Vials)   | ____ Touch Prep(s)     |
| <b>Bone Marrow:</b> | ____ Fixed Tissue (Vials) | ____ Stained Tissue    |
| ____ Green-Top(s)   | ____ Fresh Tissue (Vials) | ____ Blood Smear(s)    |
| ____ Purple-Top(s)  | ____ FNA (Vials)          | ____ Aspirate Smear(s) |

*If reviewing an archived sample for molecular studies, please indicate the date pulled from archives:*

**Date Reviewed:** \_\_\_\_/\_\_\_\_/\_\_\_\_  **Permission to Exhaust Block**

**BILLING INFORMATION**

**BILL:**

Insurance  Medicare – Part B  Patient  Hospital/Institution

**PATIENT STATUS:**

Hospital Inpatient  Hospital-Based Outpatient

Hospital-Based Ambulatory Surgical Center  Hospital ER

Non-Hospital Based Ambulatory Surgical Center  Physician Office

**\*SEE ATTACHED** (Please attach [front & back copy of insurance card](#))

**CYTOGENETICS**  Global  Technical Only

Molecular Cytogenetics  Cytogenetics (Karyotyping/G-Banding)

**FLOW CYTOMETRY PANELS**  Global  Technical Only

**Primary Panels:**

Flow Cytometry Leukemia/Lymphoma Panel (See reverse for panel contents)

**Add-On Panels:**

ALL Add-On Panel  B-Cell Cytoplasmic Add-On Panel

Lineage Determination Add-On Panel  Plasma Cell Panel, for Bone Marrow

**Individual Antibodies** (please specify): \_\_\_\_\_

**HISTOLOGY**  Global  Technical Only

H&E  Iron  Reticulum  Trichrome  Wright Giemsa  **Others:** \_\_\_\_\_

**IMMUNOHISTOCHEMISTRY (IHC)**  Global  Technical Only

ALL vs. AML Panel  Mast Cell Disease Panel

Bone Marrow Panel  Plasma Cell Panel

Langerhans Cell Histiocytosis Panel  **Individual Antibodies** (please specify): \_\_\_\_\_

Large Cell Lymphoma Panel

Reactive Lymphoid Hyperplasia vs. Lymphoma Panel

**CLINICAL INFORMATION**

**\* Clinical History/ICD-9 Code(s):** \_\_\_\_\_

**\* Diagnosis Under Consideration / Rule Out:** \_\_\_\_\_

**\* Treatment History:** \_\_\_\_\_

*(Please include copies of any pertinent lab results and/or previous patient reports.)*

**POLYMERASE CHAIN REACTION (PCR)**  Global  Technical Only

B-Cell Gene Rearrangement  Quantitative t(9;22) BCR/ABL1 by RT/PCR

B- & T-Cell Gene Rearrangement  T-Cell Gene Rearrangement

JAK2 V617F Mutation Analysis  TP53 Mutation Analysis

**Other:** \_\_\_\_\_

**FLUORESCENT IN SITU HYBRIDIZATION (FISH)**  Global  Technical Only

**Panels:**

AML Panel  APL Panel  B-ALL Panel  B-Cell Lymphoma Panel  CLL/SLL Panel

DLBCL Panel  MDS Panel  MYC Panel  Myeloma Panel

**Individual Tests:**

ALK (2p23) Rearrangement  BCL2 (18q21) Rearrangement  BCL6 (3q27) Rearrangement

CBFβ (16q22) Rearrangement  CCND1 (11q13 BCL1) Rearrangement

IGH (14q32) Rearrangement  MALT1 (18q21) Rearrangement  MLL (11q23) Rearrangement

MYC (8q24) Rearrangement  RARα (17q21) Rearrangement  t(4;14) IGH/FGFR3

t(8;14) IGH/MYC  t(8;21) RUNX1/ RUNX1T1 (AML/ETO)

t(9;22) BCR/ ABL1  t(11;14) IGH/CCND1

t(12;21) ETV6/RUNX1 (TEL/AML1)  t(14;16) IGH/ MAF

t(14;18) IGH/ BCL2  t(15;17) PML/RARα

**Other** (See Reverse for Offerings): \_\_\_\_\_

**Reflexes:**

Reflex to JAK2 Mutational Analysis by PCR, if t(9;22) BCR/ABL1 is Negative

**COMMENTS**

\_\_\_\_\_

\_\_\_\_\_

**\* PHYSICIAN SIGNATURE:** \_\_\_\_\_

Please **SEE REVERSE** side for Specimen Minimum Requirements and Contents of Panels **\* Required field**

# UNIVERSITY PATHOLOGISTS DIAGNOSTICS PANEL DESCRIPTIONS & ADDITIONAL OFFERINGS

## Immunohistochemistry Panel Contents

|  |  |  |
|--|--|--|
| <b>Adenocarcinoma of Unknown Origin Panel - Female</b><br><i>CDX2, CK7, CK20, ER, GCDFP-15, Mammaglobin, TTF-1, WT-1, Villin</i> | <b>Classical Hodgkin's Lymphoma Panel</b><br><i>BOB1, CD3, CD15, CD20, CD30, CD45, ISH-EBV (EBER), OCT2, PAX5</i>                                  | <b>Mesothelioma vs. Adenocarcinoma Panel</b><br><i>BG8, Calretinin, CK (OSCAR), Podoplanin (D2-40), MOC-31, TTF-1, WT-1</i>                |
| <b>Adenocarcinoma of Unknown Origin Panel - Male</b><br><i>CDX2, CK7, CK20, PSA, TTF-1, Villin</i>                               | <b>Germ Cell Panel</b><br><i>AFP, CD30, CD117 (C-Kit), CK (OSCAR), hCG, OCT3/4, PLAP, SALL4</i>  | <b>Mismatch Repair Protein Panel (for MSI)</b><br><i>MLH1, MSH2, MSH6, PMS2</i>  |
| <b>ALL vs. AML Panel</b><br><i>CD33, CD34, CD163, Lysozyme, PAX5, TdT</i>  | <b>GIST Panel</b><br><i>CD34, CD117 (C-Kit), Desmin, DOG1, S100, SMA</i>   | <b>Pituitary Hormones Panel</b><br><i>ACTH, FSH, GH, LH, Prolactin, TSH</i>  |
| <b>Amyloid Panel</b><br><i>Amyloid A, Amyloid P, Congo Red, Kappa, Lambda</i>  | <b>Hydatidiform Mole Panel</b><br><i>p57, Ki-67, HER2 Amplification – PathVysion®</i>  | <b>Plasma Cell Panel</b><br><i>CD56, CD138, Cyclin D1, ISH-Kappa, ISH-Lambda</i>   |
| <b>Bone Marrow Panel</b><br><i>CD3, CD20, CD34, CD42b, CD117 (C-Kit), CD138</i>  | <b>Langerhans Cell Histiocytosis Panel</b><br><i>CD1a, S100</i>  | <b>Reactive Lymphoid Hyperplasia vs. Lymphoma Panel</b><br><i>BCL-2, BCL-6, CD3, CD5, CD10, CD20, Cyclin D1, IgD, Kappa, Ki-67, Lambda</i> |
| <b>Breast Prognostic Marker Panel</b><br><i>ER, HER2 (HerceptTest®), Ki-67, PR</i>   | <b>Large Cell Lymphoma Panel</b><br><i>BCL-2, BCL-6, CD3, CD5, CD10, CD20, CD21, CD23, CD43, CD45, CD79a, Cyclin D1, IgD, Kappa, Ki-67, Lambda</i> | <b>Spindle Cell Tumor/Sarcoma Panel</b><br><i>CD31, CD34, CD117 (C-Kit), CK (OSCAR), Desmin, Melan-A (MART1), Ki-67, p63, S100, SMA</i>    |
| <b>Breast Subclassification IHC Panel</b><br><i>CK5/6, EGFR, ER, HER2 (HerceptTest®), Ki-67, PR</i>                              | <b>Mast Cell Disease Panel</b><br><i>CD2, CD25, CD117 (C-Kit), Tryptase</i>  | <b>Squamous Cell Carcinoma Panel</b><br><i>CK5/6, p63</i>  |
| <b>Cervical Dysplasia Panel</b><br><i>CK17, ISH-HPV High Risk, ISH-HPV Low Risk, Ki-67, p16</i>                                  |  |  |

## Immunohistochemistry Antibodies

|             |            |        |                     |                 |                     |                    |                 |          |                       |               |           |
|-------------|------------|--------|---------------------|-----------------|---------------------|--------------------|-----------------|----------|-----------------------|---------------|-----------|
| A1AT        | Calponin   | CD20   | CD68                | CK HMW (34βE12) | ER                  | HHV8               | Ki-67/Caspase-3 | MSH6     | PD1                   | SALL4         | Uroplakin |
| ACT         | Calretinin | CD21   | CD79a               | CK5/6           | EGFR                | HMB-45             | Lambda          | MUC1     | PHH3                  | SMA           | Villin    |
| ACTH        | CAM5.2     | CD22   | CD99                | CK7             | Factor XIIIa        | HPV                | LH              | MUM1     | PLAP                  | SMMHC         | Vimentin  |
| Adenovirus  | CD1a       | CD23   | CD117 (C-Kit)       | CK8             | FSH                 | IgD                | Lysozyme        | Napsin A | PMS2                  | Smoothelin    | WT-1      |
| AFP         | CD2        | CD25   | CD138               | CK8/18          | GCDFP-15            | IgG                | MAM-6           | OCT2     | Pneumocystis (D2-40)  | Surfactant    | ZAP70     |
| ALK (CD246) | CD3        | CD30   | CD163               | CK17            | GCET                | IgG4               | Mammaglobin     | OCT 3/4  | Podoplanin            | Synaptophysin |           |
| ARG1        | CD3/CD20   | CD31   | CDX2                | CK20            | GFAP                | Inhibin            | Melan-A (MART1) | p16      | POXP1                 | TIA-1         |           |
| B72.3       | CD4        | CD33   | CDX2/CD7            | COX2            | GH                  | ISH-EBV (EBER)     | Melan-A/Ki-67   | p53      | PR                    | TdT           |           |
| BCL-2       | CD5        | CD34   | CEA (CD66e Family)  | Cyclin D1       | GLUT-1              | ISH-HPV, High-Risk | MITF            | p57      | Prolactin             | Thyroglobulin |           |
| BCL-6       | CD7        | CD42b  | CEA (Monoclonal)    | Cyclin D1/CD20  | Glypican-3          | ISH-HPV, Low-Risk  | MLH1            | p63      | Prostate Multiplex    | TRAP          |           |
| Ber-EP4     | CD8        | CD43   | CG-A                | Desmin          | H Pylori            | ISH-Kappa          | MOC-31          | p504S    | Prostate Triple Stain | Tryptase      |           |
| BG8         | CD10       | CD45RB | CK (AE1)            | DOG-1           | hCG                 | ISH-Lambda         | MPO             | PAP      | PSA                   | TSH           |           |
| BOB1        | CD15       | CD45RO | CK (AE3)            | E-Cadherin      | HepPar1             | Kappa              | MSA             | PAX2     | RCC                   | TTF-1         |           |
| Calcitonin  | CD19       | CD56   | CK (Pan CK AE1/AE3) | EMA             | HER2 (HerceptTest®) | Ki-67              | MSH2            | PAX5     | S100                  | Tyrosinase    |           |

## Flow Cytometry Panel Contents

### Panels:

- Standard Leukemia/Lymphoma Panel, for Lymph Node/Tissue, FNA & Peripheral Blood**  
*CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD16, CD19, CD20, CD23, CD34, CD38, CD45, CD56, CD57, Kappa, Lambda*
- Comprehensive Leukemia/Lymphoma Panel, for Bone Marrow**  
*CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11b, CD11c, CD13, CD14, CD15, CD16, CD19, CD20, CD22, CD23, CD25, CD33, CD34, CD38, CD45, CD56, CD57, CD64, CD103, CD117, FMC-7, HLA-DR, Kappa, Lambda*
- Plasma Cell Panel, for Bone Marrow**  
*CD19, CD20, CD38, CD45, CD56, CD117, CD138, CD200, cKappa, cLambda*

When a Flow Cytometry Leukemia/Lymphoma Panel is ordered, the Standard Leukemia/Lymphoma Panel for Lymph Node/Tissue, FNA & Peripheral Blood will be performed on all Lymph Node, Tissue, FNA and Peripheral Blood specimens and the Comprehensive Leukemia/Lymphoma Panel for Bone Marrow will be performed on all Bone Marrow specimens.

\*In order to run the Plasma Cell Panel or any Add-On Panels without a Standard or Comprehensive Panel, previous patient flow reports with diagnosis must be included with paperwork for the case.

### Add-On Panels:

- ALL Add-On Panel**  
*CD1a, cCD3, CD19, CD34, CD45, cCD79a, nTdT*
- B-Cell Cytoplasmic Add-On Panel**  
*CD5, CD10, CD19, CD20, CD45, cCD79a, cKappa, cLambda*
- Lineage Determination Add-On Panel**  
*cCD3, CD34, CD45, cCD79a, CD117, cMPO, nTdT*

## Fluorescent in situ Hybridization Panel Contents

### AML Panel

- t(8;21) RUNX1/RUNX1T1 (AML/ETO)
- MLL (11q23) Rearrangement
- CBFβ (16q22) Rearrangement
- t(15;17) PML/RARα
- RARα (17q21) Rearrangement
- 5q31 Deletion
- 7q31 Deletion
- Centromere 8
- 20q12 Deletion

### APL Panel

- t(15;17) PML/RARα
- RARα (17q21) Rearrangement

### B-ALL Panel

- t(9;22) BCR/ABL1
- MLL (11q23) Rearrangement
- t(12;21) ETV6/RUNX1 (TEL/AML)
- 9p21 (p16) Deletion
- Centromere 4
- Centromere 10

### B-Cell Lymphoma Panel

- IGH (14q32) Rearrangement
- BCL6 (3q27) Rearrangement
- BCL2 (18q21) Rearrangement
- MYC (8q24) Rearrangement
- t(11;14) IGH/CCND1

### CLL/SLL Panel

- 11q22.3 (ATM) Deletion
- 17p13.1 (P53) Deletion
- Centromere 12
- 13q14.3 (RB1) Deletion
- t(11;14) IGH/CCND1

### DLBCL Panel

- BCL6 (3q27) Rearrangement
- t(14;18) IGH/BCL2
- MYC (8q24) Rearrangement

### MDS Panel

- 5q31 Deletion
- 7q31 Deletion
- Centromere 8
- 20q12 Deletion

### MYC Panel

- MYC (8q24) Rearrangement
- IGH (14q32) Rearrangement

### Myeloma Panel

- 13q14.3 (RB1) Deletion
- 17p13.1 (P53) Deletion
- IGH (14q32) Rearrangement
- t(4;14) IGH/FGFR3
- t(14;16) IGH/MAF
- Centromere 3
- Centromere 7
- Centromere 9
- Centromere 11

## TRANSPORTATION NOTES:

- Specimens should be submitted within 24 hours of draw.
- All specimens should be labeled with 2 patient IDs and 1 body site/specimen type.
- Allow slides/smears to dry completely before packaging in slide container.
- Please include previous patient reports and a copy of insurance card.
- Do not allow cold pack to come into direct contact with specimens.
- Call 508-235-6363 to schedule a pickup, 24/7.