

LDPM Panels

Revision 1; 08/15/2006

Important Notice: The “Panels” suggested below should be considered only as “guidelines”. It is ultimately the responsibility of the pathologist signing out the case to select and interpret the diagnostic/prognostic tests. Please feel free to consider adding more antibodies at the same time when you select a panel, or later if the results from a panel are not sufficient for a diagnosis, or in place of a panel (make your own panel) as you see necessary.

Undifferentiated Tumor

- Pan Keratin
- LCA
- H-PLAP
- CD30
- S-100
- Vimentin
- HMB45
- Melan A
- Desmin
- MSA
- CD56

Prostate vs. TCC

- PSA
- HMWK
- CD10
- Thrombomodulin
- CEA

Sarcomas/Soft tissue tumors

- S-100
- SMA
- Desmin
- CD34
- CD31
- CD99

Breast Prognostic Markers *please state in the Comments section on the form if you don't want c-erbB2/Her2 done by immunohistochemistry. Please note that we also offer c-erbB2/Her2 assay by FISH*

- ER-alpha
- PR
- c-erbB2/Her2
- Ki67

Immunofluorescence, Kidney panel (frozen tissue required)

- C3
- IgA
- IgG
- IgM
- C4
- Kappa
- Lambda
- C1q
- C4D (for Renal transplants only).

Carcinoma of Unknown Primary: Male

- CK7
- CK20
- CA19-9
- Thyroglobulin
- TTF-1
- PSA
- CDX2
- RCC
- Vimentin
- AFP
- CEA

Hepatocellular Carcinoma vs. Metastasis or Cholangiocarcinoma

- AFP
- CEA (polyclonal)
- MOC31
- Caludin-4
- HepPar-1

Small Round Blue Cell Tumor

- CD99
- Desmin
- CD56
- CK20
- LCA
- NSE
- Vimentin
- MyoD1
- Myogenin
- EMA

Carcinoma of Unknown Primary: Female

- CK7
- CK20
- CA19-9
- Thyroglobulin
- TTF-1
- CA-125
- ER-alpha
- CDX2
- RCC
- Vimentin
- AFP
- CEA

Renal Cell Carcinoma

- CD10
- Pan keratin
- RCC
- Vimentin
- EMA

RCC vs. Adrenal

- Inhibin (vs Adrenal)
- Melan A (vs Adrenal)
- Pan keratin
- RCC

FISH

erbB2/Her2

Immunofluorescence, Derm panel

- C3
- IgA
- IgG
- IgM

Thyroid Panel

- Thyroglobulin
- CEA
- Calcitonin
- CK19

Epithelioid Mesothelioma vs. Primary Lung Adenocarcinoma

- Calretinin
- D2-40
- MOC31
- AE1/AE3
- Polyclonal CEA
- CK 5/6
- TTF1
- WT1

Germ Cell Tumor

- Pan Keratin
- HPLAP
- HCG
- AFP
- EMA
- CD30
- Inhibin (female)

Small cell lung carcinoma

- Pan keratin
- Chromogranin
- Synaptophysin
- CD56
- LCA

Prostate Multi-antibody Multi-color staining: HMWK/p63/AMACR

Lymphoma, Panel #1 (small cell lymphomas)

- CD3
- CD5
- CD10
- CD20
- CD23
- CD43
- CD79a
- Bcl2
- Cyclin D1
- Ki 67

Lymphoma Panel #2 Large cell lymphoma

- CD3
- CD15 (LeuM1)
- CD20
- CD45
- CD30 (Ki-1)
- Cd79a
- PAX-5
- EBV
- Alk-1