

PANELS

- ___Breast: ___E-Cadherin(ductal vs lobular),___p63,___Actin (myoepithelial layer)___Calponin(myoepithelial) ___CK5/6
- ___Prostate: ___CK-34βe12___Combine p63/P504s,___p63(basal layer only)___p504s
- ___Thyroid: ___HBME-1, ___Chromogranin, ___TTF-1, ___CEA, ___Thyroglobulin
- ___Undifferentiated tumor analysis: PanKeratin, CD45, S100, Vimentin
- ___Extended undiff. tumor analysis: CD20, CD3, MPO, CD30, CD68, Synaptophysin, CD34
- ___Neuroendocrine panel: PanKeratin, NSE, Chromogranin, Synaptophysin, CD-56
- ___CA of unknown primary site (if PanKeratin +) analysis: CEA, CK7, CK20, ER,TTF-1,Thyroglobulin, if female- ___ER,___ BRST2, ___WT-1 , if male ___PSA
- ___Adenocarcinoma vs mesothelioma: CEA, PanKeratin, Calretinin, CK5/6,TTF-1, MOC-31, WT-1
- ___Lung panel for adeno: CK-7, CK-20, TTF-1, Thyroglobulin, if female, ___ER,___ BRST2, ___WT-1 , if male ___PSA
- ___Merkel cell vs other small cell CA: CD45, PanKeratin, NSE, Chromogranin, CK20, TTF-1
- ___AFX vs melanoma vs SCC vs leiomyosarcoma: PanKeratin, S100, Actin, Desmin, CD68,Melan A,Tyrosinase
- ___AFX vs melanoma vs SCC: PanKeratin, S100, CD68,Melan A,Tyrosinase
- ___DFSP vs dermatofibroma: CD34, Vimentin, Factor XIIIa
- ___Mycosis fungoides: CD3, CD4, CD5, CD20
- ___Pagetoid cells: Keratin-34βe12, PanKeratin, EMA, CEA, S100 (add ER if female), (add PSA, PsAP if male)
- ___Prostate CA vs bladder: PSA, CK7, CK20, PsAP, 34βe12, p63
- ___Breast CA vs others: ER, PR, S100, CEA, CK7, CK20, BRST2, TTF-1
- ___Solitary fibrous tumor: CD34, Actin, Desmin, PanKeratin, S100
- ___Follicular process - lymphoid: Bcl-2, Bcl-6, CD10, Ki-67, CD20, CD3, Cyclin-D1
- ___Large cell lymphoma (simple T versus B): CD3, CD20, CD45, Cyclin-D1
- ___Large cell lymphoma (extended analysis): CD3, CD20, CD45, CD43, PanKeratin, MPO, CD30, Cyclin-D1
- ___Anaplastic large cell lymphoma: CD3, CD20, CD30, CD45, EMA, PanKeratin, MPO
- ___Small cell lymphoma: CD5, CD10, CD20, CD23, Bcl-2, Cyclin D1, CD43, CD3, PAX-5
- ___Spindle cell lesion: Actin, PanKeratin, S100, CD34, Desmin, Vimentin
- ___Hodgkins lymphoma: Bcl-6, CD3, CD15, CD20, CD30, CD45 , KI-67, PAX-5
- ___Small Cell Undiff: CD45, Chromogranin, CK5/6, CK20, NSE, p63, Pankeratin(AE1/AE3), Synaptophysin, TTF-1, Ki-67
- ___Acute leukemia: CD-117, CD-34, MPO, WT-1, CD-45, CD-20, CD-68, PAX5, TdT, CD-3, CD-79a

COMBINE

- ___Pankeratin/S100 ___p63/P504s ___CK34βe12/S100 ___Kappa/Lambda ___OSCAR/S100 ___34be12/P504s

INDIVIDUAL ANTIBODIES

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|---------------|----------|-----------------|--------------------|------------------|
| ___Actin | ___CD15 | ___Chromogranin | ___Hepar1 | ___Pgr |
| ___Bcl-2 | ___CD20 | ___CK-34βe12 | ___HBME-1 | ___PSA |
| ___Bcl-6 | ___CD23 | ___CK5/6 | ___Inhibin | ___PsAP |
| ___Ber-EP4 | ___CD30 | ___CK7 | ___Kappa | ___Synaptophysin |
| ___BRST2 | ___CD31 | ___CK20 | ___KI-67 | ___S-100 |
| ___Calponin | ___CD34 | ___CK-OSCAR | ___Lambda | ___TdT |
| ___Calretinin | ___CD43 | ___CMV | ___Melan A | ___Thyroglobulin |
| ___CD1a | ___CD45 | ___Cyclin D1 | ___MOC-31 | ___TTF-1 |
| ___CD3 | ___CD56 | ___Desmin | ___Myeloperoxidase | ___Tyronisase |
| ___CD4 | ___CD68 | ___E-cadherin | ___NSE | ___Vimentin |
| ___CD5 | ___CD79a | ___EMA | ___P504s (red) | ___WT-1 |
| ___CD7 | ___CD138 | ___ER | ___Pankeratin | |
| ___CD8 | ___CD117 | ___FactorX111a | ___PAX-5 | |
| ___CD10 | ___CEA | ___GFAP | ___P63 | |