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| **LÄHETE HISTOLOGISILLE ERIKOISVÄRJÄYKSILLE, ISH TUTKIMUKSILLE JA IMMUNOHISTOKEMIALLISILLE VÄRJÄYKSILLE** |
|  |
| **POTILASTIEDOT** |
| Potilaan nimi ja henkilötiedot |
|       |
|  |
| **TILAAJAN TIEDOT** |
| Tilaajan nimi ja yhteystiedot |
|  |
|       |
| Puhelinnumero (lähetettä koskeva asioiden tiedustelu) | Mahdollinen asiakasnumero |
|  |  |
|       |       |
| Materiaalin palautusosoite | Laskutusosoite (mikäli eri, kuin tilaaja) |
|  |  |
|       |       |
|  |  |
| **NÄYTETIEDOT** |  |
| Lähettäjän näytetunniste | Lähetettävä näytemateriaali |
|  |  |
|       | [ ]  Parafiiniblokkeja |
| [ ]  Värjäämättömiä laseja |
| [ ]        |
|  |  |
| **LISÄTIETOJA** |
| Lisätietoja ja huomioitavaa |
|  |
|       |
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|  |
|  |
| Lähettävä lääkäri |
|  |
|       |
| Päivämäärä | Puhelinnumero | Sähköposti |
|  |  |  |
|       |       |       |

**LÄHETYSOHJEITA**

* Valitkaa tarvittava värjäys tai värjäykset listan valikosta
* Voitte lähettää blokkeja tai värjäämättömiä leikkeitä käyttäen värjäysmenetelmään soveltuvia objektilaseja. Leikkeitä ei tarvitse kiinnittää ennen lähettämistä.
* Jos värjäyksiä on useampia ja/tai lähetätte värjäämättömiä laseja, laitattehan mukaan lähetykseen myös ylimääräisiä varalaseja.

**LÄHETYSOSOITE**

**Kuopion yliopistollinen sairaala**

Kliininen patologia

Patologian laboratorion näytteiden vastaanotto

Rak.1B, 3. krs

Puijonlaaksontie 2, PL 1711, 70211 KUOPIO

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|  | **VASTA-AINEEN** **LYHENNE** | **VASTA-AINE KOKO NIMI** |
| [ ]  | ACTH | Adrenocorticotrophic Hormone |
| [ ]  | AFP | Alpha-Fetoprotein |
| [ ]  | ALK1 | Anaplastic lymphoma kinase |
| [ ]  | ALK1KEU | Anaplastic lymphoma kinase (Keuhkoille) |
| [ ]  | AMA | Amyloid A |
| [ ]  | AMACR | α-methylacyl-CoA racemase |
| [ ]  | APP | Amyloid Precursor Protein |
| [ ]  | ARR | Androgen Receptor |
| [ ]  | AT8 | Phosphorylated TAU Protein |
| [ ]  | ATRX | Alpha‐thalassaemia/mental retardation syndrome X‐linked |
| [ ]  | BAP1 | BRCA 1-Associated Protein 1 |
| [ ]  | BCAT | Beta-Catenin |
| [ ]  | BCL2 | Bcl-2 Protein |
| [ ]  | BCL6 | Bcl-6 Protein |
| [ ]  | BETA | Beta-Amyloid  |
| [ ]  | BRAF | BRAF V600E mutation  |
| [ ]  | CALD | Caldesmon |
| [ ]  | CALP | Calponin |
| [ ]  | CALR | Calretinin |
| [ ]  | CD1A | CD1a  |
| [ ]  | CD10 | CD10 |
| [ ]  | CD117 | CD117 |
| [ ]  | CD138 | CD138, Syndecan-1 |
| [ ]  | CD163 | CD163, hemoglobin scavenger receptor |
| [ ]  | CD15 | CD15 |
| [ ]  | CD19 | CD19 |
| [ ]  | CD20 | CD20 |
| [ ]  | CD21 | CD21 |
| [ ]  | CD23 | CD23 |
| [ ]  | CD3 | CD3 |
| [ ]  | CD30 | CD30 |
| [ ]  | CD31 | CD31 |
| [ ]  | CD34 | CD34 |
| [ ]  | CD4 | CD4 |
| [ ]  | CD43 | CD43 |
|   | CD45 | CD45, Leucocyte common antigen |
| [ ]  | CD5 | CD5 |
| [ ]  | CD56 | CD56 |
| [ ]  | CD68 | CD68 |
| [ ]  | CD7 | CD7 |
| [ ]  | CD79A | CD79A |
| [ ]  | CD8 | CD8 |
| [ ]  | CD99 | MIC2 gene products |
| [ ]  | CDX2 | CDX2 |
| [ ]  | CEAM | Carcinoembryonic antigen |
| [ ]  | CK18 | Cytokeratin 18 |
| [ ]  | CK19 | Cytokeratin 19 |
| [ ]  | CK20 | Cytokeratin 20 |
| [ ]  | CK5/6 | Cytokeratin 5/6 |
| [ ]  | CK7 | Cytokeratin 7 |
| [ ]  | CMV | Sytomegalovirus |
| [ ]  | CMYC | C-MYC |
| [ ]  | CYCD1 | Cyclin D1 |
| [ ]  | DBA44 | Hairy Cell Leukemia antibody |
| [ ]  | DESMIN | Desmin |
| [ ]  | DMHC | Developmental, myosin heavy chain |
| [ ]  | DOG-1 | Discovered On GIST-1 |
| [ ]  | ECAD | E-cadherin |
| [ ]  | EMA | Epithelial Membrane Antigen |
| [ ]  | EPA | Epithelial Antigen, Clone Ber-EP4 |
| [ ]  | ERPAR | Estrogen Receptor |
| [ ]  | F8 | Factor VIII |
| [ ]  | FH | Fumarate Hydratase |
| [ ]  | FLI1 | Friend leukemia integration 1 |
| [ ]  | FSH | Follicle stimulating hormone |
| [ ]  | GASTRIN | Gastrin |
| [ ]  | GATA 3 | GATA3 |
| [ ]  | GFAP | Glial fibrillary acidic protein |
| [ ]  | GLU | Glucagon |
| [ ]  | GLYA | Glycophorin A |
| [ ]  | GRB | Granzyme B |
| [ ]  | H3K27me2 | H3K27me3 |
| [ ]  | HCG | Human chorionic gonadotropin |
| [ ]  | HEP | Hepatocyte antigen |
| [ ]  | HER2 | HER-2/neu, c-erbB2, ERBB2 (IHC) |
| [ ]  | HGH | Human Growth Hormone  |
| [ ]  | HHV8 | Human herpesvirus 8 |
| [ ]  | HISYT |  Cytokeratin, clone 34βE12 |
| [ ]  | HLA | HLA-DP, DQ, DR Antigens |
| [ ]  | HMB45 | Melanosome specific antigen |
|  | HNF1b | HNF1b |
| [ ]  | HPV | Human papillomavirus  |
| [ ]  | HSV1 | Herpes Simplex Virus Type 1 |
| [ ]  | HSV2 | Herpes Simplex Virus Type 2 |
| [ ]  | IDH1 | Isocitrate dehydrogenase 1 |
| [ ]  | IGG4 | Immunoglobulin G4 (IgG4) |
| [ ]  | IGGABC | Immunoglobulin G (IgG) |
| [ ]  | IGMABC | Immunoglobulin M (IgM) |
| [ ]  | INA | Alpha Internexin |
| [ ]  | INHIB | Inhibin Alpha |
| [ ]  | INI1 | Integrase interactor 1 |
| [ ]  | INS | Insulin |
| [ ]  | INSM1 | Insulinoma-associated protein 1 |
| [ ]  | KALSIT | Calsitonin |
| [ ]  | KAPPA | Immunoglobulin Light Chain, Kappa  |
| [ ]  | KI67 | Ki-67 |
| [ ]  | KROM | Chromogranin A |
| [ ]  | LAMBDA | Immunoglobulin Light Chain, Lambda |
| [ ]  | LH | Luteinizing hormone |
| [ ]  | LOSYT | Cytokeratin, clone CAM 5.2 |
| [ ]  | MAP2 | Microtubulus associated protein 2 |
| [ ]  | MELA | Melan-A |
| [ ]  | MLH1 | Mismatch repair protein MLH1 |
| [ ]  | MOC31 | Epithelial Specific Antigen, Clone MOC-31 |
| [ ]  | MOX | Myeloperoxidase |
| [ ]  | MSH2 | Mismatch repair protein MSH2 |
| [ ]  | MSH6 | Mismatch repair protein MSH6 |
| [ ]  | MSYP | Synaptophysin |
| [ ]  | MUC4 | MUC4 |
| [ ]  | MUM1 | Multiple myeloma 1/Interferon regulatory factor 4 (IRF4) |
| [ ]  | MYOD1 | Myogenic differentiation 1 |
| [ ]  | NAP | Napsin |
| [ ]  | NEUN | Neuronal nuclei |
| [ ]  | NKX3.1 | Homeobox protein NKX-3.1 |
| [ ]  | NMHC | Neonatal, myosin heavy chain |
| [ ]  | NSE | Neuron-specific enolase |
| [ ]  | OCT2 | Octamer transcription factor-2 |
| [ ]  | OCT3/4 | Octamer transcription factor-3/4 |
| [ ]  | OLIG2 | Oligodendrocyte transcription factor |
| [ ]  | p16 | p16 |
| [ ]  | p40 | p40 |
| [ ]  | p53 | p53 |
| [ ]  | p62 | p62 |
| [ ]  | p63 | p63  |
| [ ]  | PANSYT | Pan Keratin (clones: AE1/AE3/PCK26) |
| [ ]  | PAX 5 | B cell Specific Activator Protein |
| [ ]  | PAX 8 | Paired box gene-8 protein  |
| [ ]  | PD1 | Programmed cell death-1 |
|  | PERFORIN | Perforin |
| [ ]  | PGP9.5 | Protein gene product 9.5 |
| [ ]  | PGRPAR | Progesterone Receptor |
| [ ]  | PHH3 | Phosphohistone-H3 |
| [ ]  | Pit-1 | Pituitary transcription factor 1 |
| [ ]  | PLAP | Placental alkaline phosphatase |
| [ ]  | PMS2 | Mismatch repair protein PMS2 |
| [ ]  | POD | Podoplanin |
| [ ]  | PRAME | Prefentially expressed antigen in melanoma |
| [ ]  | PROL | Prolactin |
| [ ]  | PRP | Prion protein |
| [ ]  | PSAM | Prostate-specific antigen |
| [ ]  | ROS1 | Repressor of Silencing 1 |
| [ ]  | S100 | S100 |
| [ ]  | SATB2 | SATB2 |
| [ ]  | SEROT | Serotonin |
| [ ]  | SF1 | Steroidogenic factor 1 |
| [ ]  | SMA | Smooth Muscle Actin |
| [ ]  | SMMHC | Smooth muscle heavy chain |
| [ ]  | SOMAT | Somatostatin |
| [ ]  | SOX-10 | Transcription factor SOX-10 |
| [ ]  | SOX-11 | Transcription factor SOX-11 |
| [ ]  | SSTR2 | Somatostatin Receptor 2 |
| [ ]  | STAT6 | Signal transducer and activator of transcription (STAT) 6 |
| [ ]  | SYN1 | α-Synuclein |
| [ ]  | TDP43 | TDP43 |
| [ ]  | TDT | Terminal deoxynucleotidyl transferase |
| [ ]  | TIA1 | T-cell intracytoplasmic antigen 1 |
| [ ]  | TLE-1 | Transducin-like enhancer of split 1 |
| [ ]  | TPIT | T-box pituitary transcription factor  |
| [ ]  | TRAP | Tartrate resistant acid phosphatase |
| [ ]  | TSH | Thyroid stimulating hormone |
| [ ]  | TTF1 | Thyreoid transcr factor 1 |
| [ ]  | VIMEN | Vimentin |
| [ ]  | WT1 | Wilms tumour-1 protein |

**KAKASOIS- TAI MONIVÄRJÄYKSET**

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| --- | --- | --- |
|  | **VASTA-AINEEN****LYHENNE** | **VASTA-AINE KOKO NIMI** |
| [ ]  | IgG4-IgG | IgG4-IgG |
| [ ]  | Kappa-Lambda | Kappa-Lambda |
| [ ]  | Ki67-HMB45 | Ki67- Melanosome specific antigen |
| [ ]  | MHCS-MHCF | Myosin heavy chain slow and fast |
| [ ]  | p63-AMACR | p63- α-methylacyl-CoA racemase |
| [ ]  | PANMEL | Melanoma Triple Cocktail (clones: HMB45+A103+T311) |

**PD-L1 -TUTKIMUKSET:**

|  |  |  |
| --- | --- | --- |
|  | **VASTA-AINEEN****LYHENNE** | **VASTA-AINE KOKO NIMI** |
| [ ]  | PD-L1  | PD-L1 (22C3) Pharm Dx (Pembrolizumab) |
| [ ]  | PD-L1 SP142 | PD-L1 (SP142) RTU (Atezolizumab) |
|  | PD-L1 28-8 | PD-L1 (28-8) Pharm Dx (Nivolumab, Ipilimumab) |

**FLUORESENSSITUTKIMUKSET:**

|  |  |  |
| --- | --- | --- |
|  | **VASTA-AINEEN** **LYHENNE** | **VASTA-AINE KOKO NIMI** |
| [ ]  | C1q | Komplementti C1q-FITC |
| [ ]  | C3 | Komplementti C3-FITC |
| [ ]  | FIBR | Fibrinogeeni-FITC |
| [ ]  | IgA-FITC | Immunoglobulin A |
| [ ]  | IgG-FITC | Immunoglobulin G |
| [ ]  | IgM-FITC | Immunoglobulin M |
| [ ]  | Kappa-FITC | Immunoglobulin, kappa light chain |
| [ ]  | Lambda-FITC | Immunoglobulin, lambda light chain |

**ISH-TUTKIMUKSET:**

|  |  |  |
| --- | --- | --- |
|  | **KOETIN** | **TUTKIMUKSEN NIMI** |
| [ ]  | EBER ISH | EBER probe |
| [ ]  | HER DUAL | VENTANA HER2 Dual ISH DNA probe cocktail |
| [ ]  | HPV ISH | INFORM HPV III Family 16 probe |
| [ ]  | KAPPA ISH | Kappa probe |
| [ ]  | LAMBDA ISH | Cytoplasmic Lambda mRNA probe |

**IDYLLA MUTAATIOMÄÄRITYKSET**:

|  |  |  |
| --- | --- | --- |
|  | **MUTAATIO** | **KITTI** |
| [ ]  | 6361 Ts-BRAF | A 0010/6 |
| [ ]  | 6360 Ts-EGFR-D | A 0060/6 |
| [ ]  | 3884 Ts-NRAS | A 0030/6 |
| [ ]  | 3860 Ts-KRAS | A 0020/6 |
| [ ]  | MSI | A0100/6 |

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| **HISTOLOGISET VÄRJÄYKSET:** |
| [ ]  | AB | Alcian Blue |
| [ ]  | ABPAS | Alcian Blue -PAS |
| [ ]  | BSKY | Bielschowsky  |
| [ ]  | ELAVG | Elastica van Gieson  |
| [ ]  | EABPAS | Entsyymi-Alcian Blue-PAS |
| [ ]  | EPAS | Entsyymi-PAS |
| [ ]  | GIEMSA LY | Giemsa (luuydinnäytteille) |
| [ ]  | GMS syto | Grocott's methenamine silver (sytologinen) |
| [ ]  | GMSII | Grocott's methenamine silver (histologinen) |
| [ ]  | GOMTRI | Reticulum |
| [ ]  | HELGIEMSA | Giemsa (Helicobacter Pylori) |
| [ ]  | HE | Hematoksyliini-eosiini |
| [ ]  | JONES | Jones |
| [ ]  | KONGO | Congo red  |
| [ ]  | LEDER | Leder |
| [ ]  | LFBPAS | Luxol fast sininen-PAS |
| [ ]  | LFB | Luxol fast sininen  |
| [ ]  | MTC | Massonin trikromi |
| [ ]  | MELPO | Melaniinin poisto |
| [ ]  | ORO | Oil Red O  |
| [ ]  | PAS | PAS |
| [ ]  | RAUTA | Rautavärjäys |
| [ ]  | TOLU | Toluidine Blue |
| [ ]  | VG | Weigert van Gieson  |
| [ ]  | VOK | Von Kossa |
| [ ]  | ZN | Ziehl-Neelsen (acid fast bacteria) |