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| **LÄHETE HISTOLOGISILLE ERIKOISVÄRJÄYKSILLE, ISH TUTKIMUKSILLE JA IMMUNOHISTOKEMIALLISILLE VÄRJÄYKSILLE** | | | |
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| **POTILASTIEDOT** | | | |
| Potilaan nimi ja henkilötiedot | | | |
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| **TILAAJAN TIEDOT** | | | |
| Tilaajan nimi ja yhteystiedot | | | |
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| Puhelinnumero (lähetettä koskeva asioiden tiedustelu) | | Mahdollinen asiakasnumero | |
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|  | |  | |
| Materiaalin palautusosoite | | Laskutusosoite (mikäli eri, kuin tilaaja) | |
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| **NÄYTETIEDOT** | |  | |
| Lähettäjän näytetunniste | | Lähetettävä näytemateriaali | |
|  | |  | |
|  | | Parafiiniblokkeja | |
| Värjäämättömiä laseja | |
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| **LISÄTIETOJA** | | | |
| Lisätietoja ja huomioitavaa | | | |
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| Lähettävä lääkäri | | | |
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| Päivämäärä | Puhelinnumero | | Sähköposti |
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**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 |
|  | ICOS | Inducible Co-Stimulator, CD278 |
|  | 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 |
|  | LEF1 | Lymphoid Enhancing Factor 1 |
|  | 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 |
|  | PHOX2B | Paired-like homeobox 2b |
|  | 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:**

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|  | **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:**

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|  | **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:**

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|  | **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**:

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|  | **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 |
|  | 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 |
|  | ZN | Ziehl-Neelsen (acid fast bacteria) |