


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

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|---|---|--|
|  <p>8630 Accredited to ISO 15189:2012</p> | <h3>Anthony Nolan</h3> <p>Issue No: 008 Issue date: 09 May 2024</p> | |
| | <p>Anthony Nolan Laboratory The Royal Free Hospital Pond Street London NW3 2QC</p> | <p>Contact: Lisa Walsh Tel: +44 (0)207 2848 309 E-Mail: lisa.walsh@anthonymolan.org Website: www.anthonynolan.org</p> |
| <p>Testing performed at the above address only</p> | | |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|--|
| <p>HUMAN FLUIDS AND TISSUES as identified:</p> <p>Saliva, Buccal, Blood, Spleen, Lymph node</p> | <p><u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis:</u></p> <p>Molecular based determination of HLA type:</p> <p>HLA-A HLA-B HLA-C HLA-DRB1 HLA-DRB345 HLA-DQB1 HLA-DQA1 HLA-DPB1 HLA-DPA1 CCR5 Δ32 <i>HFE</i></p> | <p>Documented in house procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:</p> <p>Sequence Specific Primer (SSP) typing using One Lambda, Olerup, in house assays. Visualised by electrophoresis and SCORE. DOC2935 DOC40, DOC50, DOC52, DOC60, DOC164, DOC3755</p> |
| <p>Whole blood, Buccal swabs, Cells</p> | <p>DNA Extraction for further down stream analysis</p> | <p>Extraction on Promega MaxPrep Maxwell System using Maxwell kits: RSC Buccal swab DNA kit TM479 RSC Whole blood DNA Kit TM455 RSC Cultured Cells DNA Kit TM477</p> |
| <p>DNA derived from Human Samples</p> | <p>HLA-A HLA-B HLA-C HLA-DRB1 HLA-DRB345 HLA-DQB1 HLA-DQA1 HLA-DPB1 HLA-DPA1</p> | <p>Illumina MiSeq and iSeq sequencers NGS HLA typing by GenDx NGSgo using Hamilton STAR DOC5380, DOC5475, DOC4890</p> |



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| HUMAN FLUIDS AND TISSUES as identified: (cont'd) | <u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis:</u> (cont'd) | Documented in house procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: |
| DNA derived from Human Samples | Detection of HLA haplotype: DQA1*02:01 – DQB1*02:02 | PCR-SSP using: Veriti™ 96-Well Thermal Cycler SOP: DOC6165 |
| DNA derived from Human Samples | HLA-A HLA-B HLA-C HLA-DRB1 HLA-DQB1 HLA-DQA1 HLA-DPB1 HLA-DPA1 | Amplification using in house primers using Veriti™ 96-Well Thermal Cycler Illumina MiSeq sequencer NGS HLA typing by GenDx NGSgo Analysis using Gen-Dx-NGSengine DOC4890, DOC4884 |
| Blood | HLA Antibody detection and definition IgG and IgM HLA-A, B, Cw, DR, DQ, DP | Lifecodes Lifescreen, One Lambda LabScreen, LABScan™ 100/200 flow analyser In-house methods DOC180, DOC181 |
| Blood, Splenic tissue Lymph nodes | Cross matching | Beckman Coulter Navios flow cytometer In-house methods DOC 172, DOC177, DOC4542 |
| Blood, Saliva | Sex Determination | In house Sequence Specific Primer (SSP), electrophoresis DOC2119 |
| Blood, Saliva | ABO and RhD blood group determination: Anti-A Anti-B Anti-A,B Anti-D rapid Anti-D Novaclone A1 cells B cells | Sequence Specific Primer (SSP) Typing (Inno Train), electrophoresis DOC2973 |



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| HUMAN FLUIDS AND TISSUES as identified: (cont'd) | <u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis:</u> (cont'd) | Documented in house procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: |
| Blood | Virology screening CMV IgG & IgM HBsAg HCV Ag-Ab HIV-1, HIV-2 Ab, P24 Ag CMV IgG | Dynex Technologies DS2 ELISA DOC85 DOC4977 |
| Buccal | | |
| Blood | ABO and RhD blood group screening | Immucor, Galileo Echo Analyser or visually analysed DOC3379, DOC3402 |
| DNA derived from blood | Molecular based determination of HLA type: HLA-A, HLA-B, HLA-C, DRB1, DRB3, DRB4, DRB5, DQA1, DQB1, DPA1 DPB1 | Roche LightCycler® 480 Instrument II Real-time PCR. Using Olerup Q Type kit DOC4729 |
| END | | |