PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Clinical Chemistry (Chemical Pathology)	Immunofixation	Electrophoresis	Sebia Hydrasis	UKNEQAS Monoclonal Proteins	1 sample / 2 months
Clinical Chemistry (Chemical Pathology)	SPE	Electrophoresis	Sebia Capillarys 3 Octa	UKNEQAS Monoclonal Proteins	1 sample / 2 months

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Immunology (Immunology)	Infliximab Drugs Level	ELISA	Agility	CTCB Biotherapie Infliximab	1 sample - 3 times per year
Immunology (Immunology)	Infliximab Total Anti Drugs Antibody Level	ELISA	Agility	CTCB Biotherapie Infliximab	1 sample - 3 times per year
Immunology (Immunology)	Faecal Pancreatic Elastase	ELISA	Agility	UKNEQAS Faecal Pancreatic Elastase	3 samples/ month

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Immunology (Immunology)	Anti-CCP	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Rheumatoid Antibodies	1 sample/ 2 months
Immunology (Immunology)	TSH Receptor Antibodies	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Thyroid Antibodies	1 sample/ 2 months
Immunology (Immunology)	GBM	Elia	Phadia	UKNEQAS Anti Neutrophil Cytoplasmic Antibody	2 samples / 2 months
Immunology (Immunology)	MPO	Elia	Phadia	UKNEQAS Anti Neutrophil Cytoplasmic Antibody	2 samples / 2 months
Immunology (Immunology)	PR3	Elia	Phadia	UKNEQAS Anti Neutrophil Cytoplasmic Antibody	2 samples / 2 months
Immunology (Immunology)	IgA Gliadin	Elia	Phadia	UKNEQAS Coeliac Disease	1 sample / 2 months
Immunology (Immunology)	IgG Gliadin	Elia	Phadia	UKNEQAS Coeliac Disease	1 sample / 2 months
Immunology (Immunology)	Tissue Transglutaminase	Elia	Phadia	UKNEQAS Coeliac Disease	1 sample / 2 months
Immunology (Immunology)	Calprotectin	Elia	Phadia	UKNEQAS Faecal Markers of Inflammation	3 samples / month
Immunology (Immunology)	Anti-M2	Elia	Phadia	UKNEQAS Liver Disease Antibodies	1 sample / 2 month
Immunology (Immunology)	Parietal Call Ab	Elia	Phadia	UKNEQAS Anaemia Related Antibodies	1 sample / 2 month
Immunology (Immunology)	ANA	Elia	Phadia	UKNEQAS Antibodies Nuclear and Related Antigens	2 samples / 2 months
Immunology (Immunology)	Ds-DNA	Elia	Phadia	UKNEQAS Antibodies Nuclear and Related Antigens	2 samples / 2 months

Immunology (Immunology)	ENA Typing (anti SSA/Ro, SSB/La, U1 RNP, Sm, Scl-70, Jo-1, Centromere)	Elia	Phadia	UKNEQAS Antibodies Nuclear and Related Antigens	2 samples / 2 months
Immunology (Immunology)	Anti Beta2Glycoprotein IgG	Elia	Phadia	UKNEQAS Phospholipids Antibodies	2 samples / 2 months
Immunology (Immunology)	Anti Beta2Glycoprotein IgM	Elia	Phadia	UKNEQAS Phospholipids Antibodies	2 samples / 2 months
Immunology (Immunology)	Anticardiolipin IgG	Elia	Phadia	UKNEQAS Phospholipids Antibodies	2 samples / 2 months
Immunology (Immunology)	Anticardiolipin IgM	Elia	Phadia	UKNEQAS Phospholipids Antibodies	2 samples / 2 months
Immunology (Immunology)	Specific IgE	Elia	Phadia	UKNEQAS Specific IgE	2 samples / 2 months
Immunology (Immunology)	Specific IgE	Elia	Phadia	Quality Club	1 sample / month
Immunology (Immunology)	Intrinsic Factor Ab	Elia	Phadia	UKNEQAS Anti Intrinsic Factor Antibodies	3 samples / 3 months
Immunology (Immunology)	Aspergillus fumigatus IgG Ab	Elia	Phadia	UKNEQAS Fungal & Related Antigens	2 samples / 6 times per year

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Clinical Chemistry (Chemical Pathology)	Fit	ImmunoAssay Latex Agglutination	OC-Sensor Pledia	ESF EQA FIT	2 samples / 6 months
Clinical Chemistry (Chemical Pathology)	Fit	ImmunoAssay Latex Agglutination	OC-Sensor Pledia	WEQAS Quantitative Faecal Hb FIT	3 samples / month
Clinical Chemistry (Chemical Pathology)	High Sensitivity Troponin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Cardiac Markers	4 samples / month
Clinical Chemistry (Chemical Pathology)	NT-proBNP	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Cardiac Markers	4 samples / month
Clinical Chemistry (Chemical Pathology)	Beta 2 Microglobulin	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Alpha 1 Antitrypsin	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	C3	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	C4	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Ceruloplasmin	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Immunoglobulin IgA	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Immunoglobulin IgG	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Immunoglobulin IgM	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Immunoglobulin IgE	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Transferrin	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Rheumatoid Factor	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month
Clinical Chemistry (Chemical Pathology)	Cholesterol	Enzymatic / Colorimetric	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	HDL	Accelerator Selective Detergent	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Homocysteine	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	LDL	Liquid Selective Detergent	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Lipoprotein A	Immunoturbidimetric	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Triglycerides	Glycerol Phosphate Oxidase	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Non-HDL Cholesterol	Calculation	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Apolipoprotein A1	Immunoturbidimetric	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Apolipoprotein B	Immunoturbidimetric	Alinity c	UKNEQAS Lipid Investigations	3 samples / month
Clinical Chemistry (Chemical Pathology)	Albumin	Colorimetric (Bromcresol Green)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	ALP (Alkaline Phosphatase)	Para-nitrophenyl Phosphate	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	ALT	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Amylase	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Angiotensin Converting Enzyme (ACE)	UV/Kinetic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	AST	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Bicarbonate	PEP Carboxylase	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Bile Acids	Enzymatic Cycling Colorimetric	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Bilirubin Total	Diazonium Salt	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Calcium	Arsenazo III	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Calcium Adjusted	Calculation	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Chloride	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Creatinine	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Creatinine Kinase Total (Ck Total)	NAC (N-acetyl-L-cysteine)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Direct Bilirubin	Diazo Reaction	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	GGT	L-Gamma-glutamyl-3-carboxy-4-nitroanilide Substrate	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	eGFR	Calculation	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Glucose	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Iron	Ferene	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	LDH	Lactate to Pyruvate (NADH)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Lipase	Kinetic Colourimetric	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Lithium	Colorimetric	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Magnesium	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Phosphate	Phosphomolybdate	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Potassium	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Sodium	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	TIBC	Calculation	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Total Protein	Biuret reaction	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	UIBC	Colourimetric	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Uric Acid	Uricase	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Urea	Urease	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Cholesterol	Enzymatic	Alinity c	RIQAS Monthly Clinical Chemistry	1 sample / month
Clinical Chemistry (Chemical Pathology)	Osmolality	Osmolality	Osmomat 3000	RIQAS Monthly Clinical Chemistry	1 sample/ month
Clinical Chemistry (Chemical Pathology)	Ultrasensitive CRP	Immunoturbidimetric	Alinity c	UKNEQAS Ultra sensitive C-Reactive protein	2 sample / month
Clinical Chemistry (Chemical Pathology)	AFP	CMIA	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Amikacin	PETIA	Alinity c	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Ca125	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Ca153	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Ca199	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	CEA	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Cortisol	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	C-Peptide	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Dhea-s	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Digoxin	PETIA	Alinity c	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Folate	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Free T3	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Free T4	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	FSH	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Gentamicin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity c	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	HCG	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	LH	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Estradiol	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Progesterone	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Prolactin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	PSA (Total)	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	PTH	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	SHBG	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Total T3	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Total T4	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Testosterone	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	TSH	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Valproic Acid	PETIA	Alinity c	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Vancomycin	PETIA	Alinity c	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Vitamin B12	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Vitamin D	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Ferritin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Insulin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Immunoassay	1 sample / month
Clinical Chemistry (Chemical Pathology)	Phenytoin	Enzymatic Immunoassay	Alinity c	RIQAS TDM	1 sample / month
Clinical Chemistry (Chemical Pathology)	Theophylline	Enzyme immunoassay	Alinity c	RIQAS TDM	1 sample / month
Clinical Chemistry (Chemical Pathology)	Albumin Creatinine Ratio	Calculation	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Calcium	Arsenazo III	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Chloride	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Cortisol	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Monthly Human Urine	1 sample / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Creatinine	Enzymatic	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Glucose	Enzymatic	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Magnesium	Enzymatic	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Microalbumin	Immunoturbidimetric	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Phosphate Inorganic	Phosphomolybdate	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Potassium	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Protein Total	Biuret reaction	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Sodium	Ion-selective electrode diluted (Indirect)	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Urea	Urease	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Uric Acid	Uricase	Alinity c	RIQAS Monthly Human Urine	1 sample / month
Clinical Chemistry (Chemical Pathology)	Osmolality	Osmolality	Osmomat 3000	RIQAS Monthly Human Urine	1 sample/ month
Clinical Chemistry (Chemical Pathology)	Urine Ethanol	Enzymatic	Alinity c	LGC Urine Toxicology	1 sample / month
Clinical Chemistry (Chemical Pathology)	Creatinine	Enzymatic	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	pH	End point colorimetric	Alinity c	LGC Drugs of Abuse	3 samples / 3 months

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Amphetamine/Methanphetamine Screening	Enzyme Immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Barbiturate Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Benzodiazepine Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Cannabinoid Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Cocaine Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	MDMA Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Methadone Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	EDDP Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	6-Mam Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Opiate Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Tricyclic Screening	Enzyme immunoassay	Alinity c	LGC Drugs of Abuse	3 samples / 3 months
Clinical Chemistry (Chemical Pathology)	Tacrolimus	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Immunosuppresants	3 samples / month
Clinical Chemistry (Chemical Pathology)	Prolactin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Peptide hormones	4 Samples / month
Clinical Chemistry (Chemical Pathology)	Macroprolactin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Peptide hormones	4 Samples / month

PROFICIENCY TESTING PLAN

Clinical Chemistry (Chemical Pathology)	Haemolysis	Spectrophotometry	Alinity c	UKNEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	Icterus	Spectrophotometry	Alinity c	UKNEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	Lipaemia	Spectrophotometry	Alinity c	UKNEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	HbA1c (IFCC)	Ion Exchange High Performance Liquid Chromatography (HPLC)	TOSOH	UKNEQAS Gycated Haemoglobins HbA1c	3 samples / month
Clinical Chemistry (Chemical Pathology)	TPO Thyroud Microsome Antibodies	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Thyroid Antibodies	1 sample/ 2 months
Clinical Chemistry (Chemical Pathology)	Anti-Thyroglobin	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Immunoassay speciality 1	1 sample / month
Clinical Chemistry (Chemical Pathology)	Anti-TPO	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	RIQAS Immunoassay speciality 1	1 sample / month
Clinical Chemistry (Chemical Pathology)	Haemolysis	Spectrophotometry	Alinity c	WEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	Icterus	Spectrophotometry	Alinity c	WEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	Lipaemia	Spectrophotometry	Alinity c	WEQAS Serum Indices (HIL)	3 samples / month
Clinical Chemistry (Chemical Pathology)	Active B12 (Holotranscobalamin)	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Holotranscobalamin	3 samples / month
Clinical Chemistry (Chemical Pathology)	Tryptase	ImmunoCAP	Phadia	UKNEQAS Tryptase	2 samples/ 2 months
Clinical Chemistry (Chemical Pathology)	Total CO2 (Carbon Dioxide)	Enzymatic	Alinity c	RIQAS Blood Gas	1 sample / month

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Infection Serology (Microbiology and virology)	Anti-Streptolysin O (ASO)	Immunoturbidimetric	Alinity c	RIQAS Monthly Specific Proteins	1 sample / month per year
Infection Serology (Microbiology and virology)	Hepatitis C Ag	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	INSTAND Virus Immunology- Hepatitis C Virus	4 samples / 4 times per year
Infection Serology (Microbiology and virology)	HBsAg	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	Anti-HBc	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	HCV Ag / Ab	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	HIV 1/2 Ag / Ab	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	Anti-HTLV I/II	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	Syphilis (Tp Immunoassay IgG/ total Ab)	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Blood Donor Screen	3 samples / 6 times per year
Infection Serology (Microbiology and virology)	Anti-Rubella IgG	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	INSTAND RUBELLA VIRUS (AB)	2 samples / twice per year
Infection Serology (Microbiology and virology)	Anti-Rubella IgM	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	INSTAND RUBELLA VIRUS (AB)	2 samples / twice per year
Infection Serology (Microbiology and virology)	Anti-CMV IgG	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	INSTAND CYTOMEGALOVIRUS (AB)	2 samples / 4 times per year
Infection Serology (Microbiology and virology)	Anti-CMV IgM	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	INSTAND CYTOMEGALOVIRUS (AB)	2 samples / 4 times per year
Infection Serology (Microbiology and virology)	Anti-HBs	Chemiluminescent microparticle immunoassay (CMIA)	Alinity i	UKNEQAS Anti-HBs detection	6 samples / 3 times per year

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Microbiology (Microbiology and virology)	Helicobacter pylori stool antigen	Immunochromatography	STAT HpSA	CAP Helicobacter pylori stool antigen	2 samples / 6 months
Microbiology (Microbiology and virology)	Urine Microscopy	Virtual Microscope	Virtual Microscope	CAP Urine Sediment	3 samples / 6 months
Microbiology (Microbiology and virology)	Mycology	Microscopy and culture	Microscope	INSTAND Mycology II	4 samples / 6 months
Microbiology (Microbiology and virology)	C. difficile GDH	Immunochromatography	Clostridium K-SeT	LABQUALITY C. Difficile	2 samples / 3 months
Microbiology (Microbiology and virology)	C. difficile Toxin	Immunochromatography	ImmunoCard Toxins A and B	LABQUALITY C. Difficile	2 samples / 3 months
Microbiology (Microbiology and virology)	Detection of Carbapenemases (ESBL / VRE / CRE)	Culture and Immunochromatography	Various Method	LABQUALITY ESBL / VRE / CRE	2 samples / 3 months
Microbiology (Microbiology and virology)	Bilirubin	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Blood	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Glucose	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Ketones	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Leucocytes	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Nitrite	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	pH	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months

PROFICIENCY TESTING PLAN

Microbiology (Microbiology and virology)	Protein	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Specific Gravity	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Urobilinogen	Colorimetric	N/A	RIQAS Urinanalysis	1 sample / 2 months
Microbiology (Microbiology and virology)	Antimicrobial Susceptibility	Various Method	Vitek 2 Compact and XL/ManualDisk diffusion/Minimum Inhibitory Concentration	UKNEQAS Antimicrobial Susceptibility	2 samples / month
Microbiology (Microbiology and virology)	Faecal Parasitology	Microscopy	Microscope	UKNEQAS Faecal Parasitology	8 X 2 Samples / year
Microbiology (Microbiology and virology)	Organism identification	Various Method	Vitek 2 Compact and XL, ID Kits	UKNEQAS General Bacteriology	3 samples / month
Microbiology (Microbiology and virology)	MRSA	Selective Medium	N/A	UKNEQAS MRSA	2 samples / 3 months
Microbiology (Microbiology and virology)	Mycology	Microscopy and culture	Microscope	UKNEQAS Mycology	2 samples / 4 months
Microbiology (Microbiology and virology)	Urine Sediments-Bacteria	Flowcytometry	Sysmex	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-Casts	Flowcytometry	Sysmex	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-Crystals	Flowcytometry	Sysmex	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-RBCs	Flowcytometry	Sysmex	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-WBCs	Flowcytometry	Sysmex	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-Bacteria	Microscopy	Microscope	ESF EQA	2 samples/ 3 months

Microbiology (Microbiology and virology)	Urine Sediments-Casts	Microscopy	Microscope	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-Crystals	Microscopy	Microscope	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-RBCs	Microscopy	Microscope	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Urine Sediments-WBCs	Microscopy	Microscope	ESF EQA	2 samples/ 3 months
Microbiology (Microbiology and virology)	Carbapenemase producing organisms	Culture and Immunochromatography	VITEK Sensitivity testing	UKNEQAS Carbapenemase producing organisms	2 samples/ 3 months
Microbiology (Microbiology and virology)	European Antimicrobial Resistance Surveillance Network (EARS-Net)	Various Method	Vitek 2 Compact and XL/ManualDisk diffusion/Minimum Inhibitory Concentration	DTU EARS-Net	6 samples/ once a year

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Histology (Histopathology and Cytopathology)	HE, Mega, two special stains	Microscopy	Prisma Stainer/ Manual staining	UKNEQAS Cellular Pathology Technique (Specialist Techniques)	6 times a year
Histology (Histopathology and Cytopathology)	Block and HE for each processor	Microscopy	Prisma Stainer and processor VIP6 AI/ VIP6 E2	UKNEQAS Cellular Pathology Technique (LabXCell Tissue Diagnostic)	6 times a year
Histology (Histopathology and Cytopathology)	Two IHC antibodies	Immunohistochemistry	Roche Ventana Benchmark Ultra	UKNEQAS ICC ISH General Pathology	3 times a year
Histology (Histopathology and Cytopathology)	Five IHC antibodies	Immunohistochemistry	Roche Ventana Benchmark Ultra	NORDIQC General Module	3 times a year
Histology (Histopathology and Cytopathology)	Two IHC antibodies	Immunohistochemistry	Roche Ventana Benchmark Ultra	UKNEQAS ICC ISH Lymphoid Pathology	3 times a year
Histology (Histopathology and Cytopathology)	Two IHC antibodies	Immunohistochemistry	Roche Ventana Benchmark Ultra	UKNEQAS ICC ISH Alimentry Tract	3 times a year
Histology (Histopathology and Cytopathology)	Whole slide image (WSI) compared to glass slide	Interpretation of digital images	Sakura Tissue Tek Prisma Plus Autostainer and Hamamatsu Digital Pathology Platform	UKNEQAS CPT Digital Pathology	6 times a year
Histology (Histopathology and Cytopathology)	Cytology	Microscopy	ThinPrep 2000 LBC (Genesis)	UKNEQAS Diagnostic Cytopathology	6 times a year

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Haematology (Haematology)	ESR	Capillary photometric-kinetic technology.	Alifax Test 1 BCL	Lab Quality ESR Scheme 2731	3 samples / 4 times per year
Haematology (Haematology)	Microscopic Examination	Virtual microscopy	Computer	UKNEQAS Digital Morphology	1 sample / 2 months
Haematology (Haematology)	Morphology	Microscopy	Manual	UK NEQAS Manual Differential Leucocytes Count	1 sample / 3 months
Haematology (Haematology)	Blood Film	Microscopic Examination	Microscope	UKNEQAS Blood Film	8 x 2 samples / year
Haematology (Haematology)	Full Blood Count	Spectrophotometry, Flow Cytometry, Impedance	Sysmex XN1000	UK NEQAS Full Blood Count	2 samples / month
Haematology (Haematology)	Automated Differential Leucocytes Count	Spectrophotometry, Flow Cytometry, Impedance	Sysmex XN1000	UK NEQAS Automated Differential Leucocytes Count	2 samples / 2 months
Haematology (Haematology)	Blood Films for Parasites	Microscopy	Manual	UK NEQAS Blood Films for Parasites	2 samples / 3 months
Haematology (Haematology)	Parasitology	Microscopy	Manual	UKNEQAS Microbiology Blood Parasitology	8 samples / year
Haematology (Haematology)	Blood Cell Morphology	Microscopy	Microscope	IEQAS Blood Cell Morphology	1 sample / 2 months
Haematology (Haematology)	EBV Mononucleosis	Immunochromatographic	Clearview	INSTAND EBV	2 samples / 6 months
Haematology (Haematology)	APTT	Photo Optical Technology	Stago Compact	RIQAS Coagulation	1 sample / month
Haematology (Haematology)	Fibrinogen	Photo Optical Technology	Stago Compact	RIQAS Coagulation	1 sample / month
Haematology (Haematology)	PT / INR	Photo Optical Technology	Stago Compact	RIQAS Coagulation	1 sample / month

PROFICIENCY TESTING PLAN

Haematology (Haematology)	D-Dimer	Photo Optical Technology	Stago Compact	RIQAS Coagulation	2 sample / month
Haematology (Haematology)	Full Blood Count	Flow Cytometry	Sysmex XN2000	UKNEQAS Full Blood Count	2 samples / month
Haematology (Haematology)	Automated Differential Leucocytes Count	Flow Cytometry	Sysmex XN2000	UKNEQAS Automated Differential Leucocytes Count	2 samples / 2 months
Haematology (Haematology)	Reticulocytes	Flow Cytometry	Sysmex XN2000	UKNEQAS Reticulocytes	2 samples / 2 months
Haematology (Haematology)	Rapid Diagnostic Malaria	Immunochromatographic	Optimal IT	UKNEQAS Rapid Diagnostic Malaria	2 samples / 3 months
Haematology (Haematology)	Sickle Cell Screening	Turbidimetry	Sickledex	UKNEQAS Abnormal Haemoglobins	3 samples / 2 months

PROFICIENCY TESTING PLAN

Department (Scope Clasification)	Assays	Test Principle	Analyser	EQA Scheme Name	Frequency
Molecular Biology (Haematology)	Haemochromatosis (HFE Typing)	RT-PCR of extracted DNA	ABI 7500 Fast Thermocycler	UKNEQAS HANDI Scheme 5A	3 or 4 samples / 4 months
Molecular Biology (Immunology)	HLA B27	RT-PCR of extracted DNA	ABI 7500 Fast Thermocycler	UKNEQAS HANDI Scheme 1B	2 samples / 5 times per year
Molecular Biology (Microbiology and Virology)	C. trachomatis & N.gonorrhoeae	RT-PCR of extracted viro DNA	Cobas 4800	UKNEQAS Molecular detection of CT/NG	4 samples / 4 months
Molecular Biology	HPV	RT-PCR of extracted viro DNA	Cobas 4800	UKNEQAS Molecular detection of HPV	4 samples / 3 times per year
Molecular Biology	Hepatitis C Virus (HCV)	transcription-mediated amplification (TMA) of RNA	Hologic Panther	UKNEQAS Hepatitis C RNA detection	2 samples / 3 times per year
Molecular Biology	HPV	transcription-mediated amplification (TMA) of RNA	Hologic Panther	UKNEQAS Molecular detection of HPV	4 samples / 3 times per year
Molecular Biology	C. difficile Toxin	RT-PCR of extracted DNA	BD Max	LABQUALITY C. Difficile	2 samples / 3 months
Molecular Biology	Enteric Bacterial panel and extended enteric bacterial panel	RT-PCR of extracted DNA	BD Max	UKNEQAS General Bacteriology	1 samples / month