

## IEQAS Programme 2022

IEQAS is a not-for-profit professional association directed by nominees from The Association of Clinical Biochemists in Ireland, The Faculty of Pathology of the Royal College of Physicians of Ireland and The Academy of Clinical Science & Laboratory Medicine.

- Prices in Euro
- Local support for all queries (IEQAS National schemes (P2); Labquality schemes (P2-7))
- **NEW Schemes:** shown in red throughout programme

### IEQAS National Schemes<sup>§</sup>

[www.ieqas.ie](http://www.ieqas.ie) -> Participant Info -> IEQAS Schemes

<b>Clinical Chemistry</b> (general) <ul style="list-style-type: none"><li>• One sample, distributed monthly</li><li>• Human-based samples</li><li>• Minimally processed patient pools (&gt;3/year)</li><li>• Reference Values quoted (&gt;1/year)</li></ul>
<b>HbA1c</b> (suitable for Laboratory and POCT) <ul style="list-style-type: none"><li>• Two samples, distributed 5 times/year</li><li>• Fresh whole blood samples – pooled patient samples</li><li>• Scored vs Reference Value (ERL)</li><li>• Participation in EurA<sub>1c</sub> (Annual European Survey since 2016, now including Asia/Africa/America)</li></ul>
<b>Full Blood Count</b> <ul style="list-style-type: none"><li>• Two samples, distributed every 2 months</li><li>• Fresh Blood survey included in 2022</li></ul>
<b>Blood Cell Morphology</b> <ul style="list-style-type: none"><li>• One sample, distributed every 2 months</li><li>• Educational (not scored)</li><li>• Participants are encouraged to supply interesting cases</li></ul>
<b>IEQAS Conference 2022</b> <ul style="list-style-type: none"><li>• Pre-order delegate places - <b>Reduced early-bird price</b></li></ul>

*<sup>§</sup>Anonymised IEQAS participant data may be used for research purposes to assist with improvement in EQA services nationally and/or internationally.*

### Schemes co-operated with Labquality 2022

- All orders and queries via IEQAS – no need to contact Labquality directly
- Further information on [www.ieqas.ie](http://www.ieqas.ie) → Participant Info → Labquality Schemes
- Labquality reports available on their website (there is a charge for paper reports: page 7)

### **Changes for 2022 –Changes are listed in the Labquality Product Catalogue 2022**

[www.ieqas.ie](http://www.ieqas.ie) -> Participant Info -> Labquality Schemes

Scheme code	Scheme name	Note	# Results /sample	# Dist /year		
<b>IEQAS NATIONAL SCHEMES</b>						
CC	Clinical Chemistry (general)		1	12		
CCa	Clinical Chemistry (general), additional analysers		3	12		
HBA	HbA1c (Lab and POCT)		1	5		
HBAa	HbA1c (Lab and POCT), additional analyser		1	5		
HBAp	HbA1c Postal delivery for Satellite Lab		1	5		
FBC	Full Blood Count		1	6		
FBCa	Full Blood Count, additional analyser		3	6		
BCM	Blood Cell Morphology		1	6		
CONFd	IEQAS Conference delegate - early bird price					
<b>LABQUALITY SCHEMES</b>						
<p><b>NOTE:</b>  * - Schemes include Microbiological Diagnostic Specimens (UN Class 3373). These specimens will be delivered to Ireland using DHL courier and onward to each laboratory by local courier.  Co - Scheme will be arranged in cooperation with another EQA organiser.  EQA3 - Integrated EQA schemes combine pre-analytical, analytical and post-analytical EQA to one scheme fulfilling ISO 15189 requirements.  ** - Will allow multiple result reporting ONLY if analysed using different methods</p>						
<b>CLINICAL CHEMISTRY: ALLERGOLOGY</b>						
2675	Allergen component (UK NEQAS)	Co	1	6		
2681	Allergy in vitro diagnostics (SKML)	Co	1	4		
2670	Allergy in vitro diagnostics (UK NEQAS)	Co	1	6		
2680	Eosinophil cationic protein		1	6		
2685	Tryptase (UK NEQAS)	Co	1	6		
<b>CLINICAL CHEMISTRY: BASIC CHEMISTRY</b>						
2100	Basic chemistry, POCT analysers		3	4		
2730	Erythrocyte sedimentation rate		3	4		
2731	Erythrocyte sedimentation rate: Alifax-analysers; Greiner tube		3	4		
2732	Erythrocyte sedimentation rate: Alifax-analysers; Sarstedt tube		3	4		
2733	Erythrocyte sedimentation rate: iSED		3	4		
2750	Faecal occult blood, qualitative		3	4		
2749	Faecal occult blood, quantitative	*	3	4		
2114	Haemoglobin, 1-level, POCT	EQA <sup>3</sup>	3	4		
2113	Haemoglobin, 3-level samples, cell counters and analysers		3	1		
2112	Haemoglobin, 3-level samples, POCT		3	1		
<b>CLINICAL CHEMISTRY: CARDIAC MARKERS</b>						
1541	CRP, low concentration		3	5		
2540	Myocardial markers		3	5		
2541	Myocardial markers and CRP, low concentration		3	5		
2690	Natriuretic peptides 1, B-type, NT-ProBNP		3	4		
2691	Natriuretic peptides 2, B-type, BNP		3	4		
2530	Troponin I and Troponin T, detection, POCT		3	5		
<b>CLINICAL CHEMISTRY: DIABETES ANALYSIS</b>						
2570	Glucose meters 1: all except Contour and HemoCue and On Call Plus	EQA <sup>3</sup>	5	4		
2580	Glucose meters 2: HemoCue		5	4		
2590	Glucose meters 3: Contour		5	4		
2526	Ketones (beta-hydroxybutyrate), POCT		3	2		<b>NEW</b>

<b>CLINICAL CHEMISTRY: ENDOCRINOLOGY</b>					
2300	Hormones A: Basic analytes of hormone and immunochemistry	EQA <sup>3</sup>	3	8	
2300S	Hormones A: Basic analytes of hormone and immunochemistry, limited selection of analytes	EQA <sup>3</sup>	3	8	
2301	Hormones B: Steroid and peptide hormones	EQA <sup>3</sup>	3	6	
2301S	Hormones B: Steroid and peptide hormones, limited selection of analytes	EQA <sup>3</sup>	3	6	
2250	Parathyroid hormone (intact)		3	2	
<b>CLINICAL CHEMISTRY: SPECIAL CHEMISTRY</b>					
2610	Acid-base status and electrolytes		1	4	
2510	Alcohol in blood		3	2	
2511	Alcohol in serum		3	2	
2516	Ethylene glycol in blood (survey 2510 not included)		3	2	
2517	Ethylene glycol in serum (survey 2511 not included)		3	2	
2105	Ammonium ion		1	3	
2210	Angiotensin convertase (ACE)		3	1	
2520	Bile acids		3	2	
2109	Bilirubin, conjugated		3	2	
2040	Bilirubin, neonatal		3	6	
8702	Chromogranin A (NKK)	Co	1	1	
8805	Cystatin C (DEKS)	Co	/ year 1	1	
2753	Gastric biomarkers		3	2	<b>NEW</b>
2150	Haemoxymeters		1	2	
8816	Homocysteine (DEKS)	Co	/ year 1	1	
8815	Methyl malonate (DEKS)	Co	/ year 1	1	
2651	Nasal swab cells		1	1	
2652	Sputum cells		1	1	
2640	Synovial fluid crystals		3	2	
2410	Therapeutic drugs		3	4	
2480	Vitamin A, E and D metabolites	EQA <sup>3</sup>	3	2	
2525	5-hydroxyindoleacetic Acid (5-HIAA)		3	2	
<b>CLINICAL CHEMISTRY: SPECIFIC PROTEINS</b>					
2020	C-reactive protein (CRP) for analyzers		3	6	
2132	C-reactive protein (CRP), POCT		3	6	
2140	Decalotransferrin (EQUALIS)	Co	/ year 1	1	
2751	Faecal calprotectin	*	3	4	
2281	Interleukin-6 (IL-6)		3	4	<b>NEW</b>
2200	Lipids and lipoproteins	EQA <sup>3</sup>	3	2	
2202	Lipoprotein a		3	2	
2280	Procalcitonin		3	2	
2160	Proteins in cerebrospinal fluid		3	2	
2240	Proteins, electrophoresis	EQA <sup>3</sup>	3	4	
2230	Proteins, immunochemical determinations		3	4	
<b>CLINICAL CHEMISTRY: TUMOUR MARKERS</b>					
2703	Anti-Müllerian hormone		3	4	
2226	Prostate specific antigen		3	4	
2700	Tumour markers		3	4	
2700S	Tumour markers, limited selection of analytes		3	4	
<b>CLINICAL CHEMISTRY: URINE ANALYSIS</b>					
3240	Albumin and creatinine in urine		3	2	
3300	Drug of abuse screening in urine		3	3	
3270	Pregnancy test		3	4	
3170	Urine bacterial screening with automated analysers	*	3	2	

3200	Urine, identification of cells and other particles (digital images)		1	4	
3160	Urine, quantitative chemistry		3	4	
3100	Urine, strip test A		3	4	
3101	Urine, strip test A, 15 mL water for sample dissolution			4	
3130	Urine, strip test B, particle count and estimation of density		3	4	
3131	Urine, strip test B, 15 mL water for sample dissolution			4	
<b>CLINICAL CHEMISTRY: PERCINTILER AND FLAGGER PROGRAMS</b>					
3500	Percentiler program (Noklus)	Co	1		
3501	Flagger program (Noklus)	Co	1		
<b>HAEMATOLOGY: BLOOD TRANSFUSION SEROLOGICAL TESTS</b>					
4420	ABO and Rh grouping		1	4	
4460	Antibody screening and compatibility testing		1	4	
4440	Antiglobulin test, direct		1	4	
4480	Column agglutination methods, grading of reactions and patient cases	EQA <sup>3</sup>	3	1	
<b>HAEMATOLOGY: CELL COUNT AND CELL MORPHOLOGY</b>					
4150-56	Reticulocyte count, automated		3	4	
4140	Reticulocyte count, manual methods		1	4	
4130	White blood cell count: HemoCue, POCT		3	2	
4190	White blood cell differential count: HemoCue, POCT		3	2	
<b>HAEMATOLOGY: COAGULATION</b>					
4330	Activated partial thromboplastin time, INR and fibrinogen		3	4	
4387	Anticoagulants: LMW-Heparin/antiFXa		3	4	
4388	D-dimer		3	4	
4335	INR, CoaguChek, i-STAT and Siemens Xprecia, POCT		3	2	
4337	INR, EuroLyzer, POCT		3	2	
4340	INR, LabPad, POCT		3	2	
4338	INR, MicroINR, LumiraDX and CoagSense, POCT		3	2	
4300	Prothrombin time		3	4	
4386	Special coagulation		3	4	
<b>IMMUNOLOGY</b>					
5935	ANCA and GbmAb	EQA <sup>3</sup>	3**	2	
5900	Antinuclear antibodies	EQA <sup>3</sup>	3	2	
5938	Autoimmune diagnostics, IFA interpretation (digital images)		3	1	
5930	Autoimmune liver disease and gastric parietal cell antibodies		3	2	
5940	Coeliac disease, antibodies	EQA <sup>3</sup>	3	3	
5937	Phospholipid antibodies		3	1	
5820	Rheumatoid factor and citrullin peptide antibodies		3	4	
5920	Thyroid gland antibodies	EQA <sup>3</sup>	3	3	
5913	TSH receptor antibodies		3	2	
<b>MICROBIOLOGY: BACTERIAL SEROLOGY</b>					
5840	Antistreptolysin		3**	4	
5950	<i>Bordetella pertussis</i> , antibodies	EQA <sup>3</sup>	3	4	
5960	<i>Borrelia burgdorferi</i> , antibodies, European origin	EQA <sup>3</sup>	3	4	
5850	<i>Brucella</i> , antibodies		3	2	
5620	<i>Chlamydia pneumoniae</i> , antibodies	EQA <sup>3</sup>	3	4	
5851	<i>Francisella tularensis</i> , antibodies		3	2	<b>NEW</b>
5860	<i>Helicobacter pylori</i> , antibodies	EQA <sup>3</sup>	3	4	
5980	<i>Mycoplasma pneumoniae</i> , antibodies	EQA <sup>3</sup>	3**	4	
5880	Syphilis serology	EQA <sup>3</sup>	3**	4	

<b>MICROBIOLOGY: BACTERIOLOGY</b>					
5050	Bacteriological staining, direct (digital images)		3	2	
5100	Blood culture	*	1	4	
5101	Blood culture, screening	*	1	4	
5150	Cerebrospinal fluid, culture	*	1	4	
5612	<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> nucleic acid detection	*	3	4	
5200	<i>Clostridium difficile</i> , culture and toxin detection	*	1	4	
5201	<i>Clostridium difficile</i> , nucleic acid detection	*	1	4	
5190	Faecal culture	*	1	4	
5080	General Bacteriology 1 (aerobes and anaerobes)	*EQA <sup>3</sup>	1	4	
5081	General Bacteriology 2 (aerobes)	*EQA <sup>3</sup>	1	4	
5041	Gram stain, blood culture	*	1	4	
5040	Gram stain, colonies	*	1	4	
5596	<i>Helicobacter pylori</i> , antigen detection in faeces	*	3	4	
5597	Legionella, antigen detection in urine		3**	4	
5220	Mycobacterial culture and stain	*	1	4	
5221	Mycobacterial nucleic acid detection	*	1	4	
5240	Mycobacterial stain	*	1	4	
5120	<i>Neisseria gonorrhoeae</i> (Gc), culture and susceptibility testing	*	1	4	
5180	Salmonella culture	*	1	4	
5599	<i>Streptococcus</i> group Agalactiae (GBS), nucleic acid detection	*	3**	4	
5594	<i>Streptococcus</i> group Agalactiae (GBS), culture	*	1	4	
5598	<i>Streptococcus pneumoniae</i> , antigen detection in urine		3**	4	
5595	<i>Streptococcus pyogenes</i> (Group A), antigen detection in pharyngeal sample		3**	4	
5593	<i>Streptococcus pyogenes</i> (Group A), nucleic acid detection in pharyngeal sample		3**	4	
5073	Surveillance culture for multidrug resistant bacteria, gram negative rods	*	1	4	
5071	Surveillance culture for multidrug resistant bacteria, MRSA	*	1	4	
5072	Surveillance culture for multidrug resistant bacteria, VRE	*	1	4	
5140	Throat streptococcal culture	*	1	4	
5060	Urine culture, quantitative screening	*EQA <sup>3</sup>	1	4	
5065	Urine culture, quantitative screening, identification and susceptibility	*EQA <sup>3</sup>	1	4	
<b>MICROBIOLOGY: MYCOLOGY</b>					
5260	Fungal culture	*	1	4	
<b>MICROBIOLOGY: PARASITOLOGY</b>					
5430	Malaria, antigen and nucleic acid detection	*	3**	4	
5462	Malaria, screening, Giemsa stain		3	4	
5463	Malaria, screening, MGG stain		3	4	
5460	Parasites in blood, Giemsa stain		3	4	
5461	Parasites in blood, MGG stain		3	4	
5470	Parasites in blood, Giemsa stain, virtual microscopy		5	1	
5471	Parasites in blood, MGG stain, virtual microscopy		5	1	
5440	Parasites in faeces		1	4	
5450	Parasites in faeces, virtual microscopy		5	2	
5420	Toxoplasma, antibodies	EQA <sup>3</sup>	3	4	
5473	<i>Trichomonas vaginalis</i> , detection		3**	4	<b>More Distributions</b>
<b>MICROBIOLOGY: VIROLOGY</b>					
5651	CMV + EBV, nucleic acid detection, quantitative		3	2	<b>NEW</b>
5650	Cytomegalovirus, antibodies	EQA <sup>3</sup>	3	4	
5635	Dengue virus, antibodies and antigen detection	*EQA <sup>3</sup>	3	4	<b>More Distributions</b>

5640	EBV mononucleosis, heterophile antibodies		3	4	
5641	EBV mononucleosis, specific antibodies	EQA <sup>3</sup>	3	4	
5092	Hepatitis A, antibodies	*EQA <sup>3</sup>	3	4	
5094	Hepatitis B and C, serology, specimen vol 0.6 mL	*EQA <sup>3</sup>	3	4	
5095	Hepatitis B and C, serology, specimen vol 1.2 mL	*EQA <sup>3</sup>	3	4	
5096	Hepatitis B and C, serology, specimen vol 2.0 mL	*EQA <sup>3</sup>	3	4	
5093	Hepatitis B, s-antigen antibodies, quantitative		3	4	
5679	Hepatitis B virus, nucleic acid detection (DNA)	*	3**	4	More Distributions
5678	Hepatitis C virus, nucleic acid detection (RNA)	*	3**	4	More Distributions
5682	Hepatitis E, antibodies	*EQA <sup>3</sup>	3	2	
5555	Herpes simplex 1 and 2, antibodies		3	4	
5680	HIV-1, nucleic acid detection (RNA)	*	3**	4	More Distributions
5091	HIV, antibodies and antigen detection	*EQA <sup>3</sup>	3	4	
5090	HIV, antibodies and antigen detection, POCT	*	3**	4	
5086	Human papillomavirus, nucleic acid detection		3	4	
5089	Human T-cell lymphotropic virus, antibodies	*EQA <sup>3</sup>	3	4	
5670	Influenza virus A+B and RS virus, nucleic acid detection	*	3	2	
5671	Influenza virus A+B, antigen detection	*	3**	2	
5668	Measles virus, antibodies	EQA <sup>3</sup>	3	4	
5662	Multiple respiratory virus, nucleic acid detection		3	3	NEW
5669	Mumps virus, antibodies	EQA <sup>3</sup>	3	4	
5675	Norovirus, nucleic acid detection		3	4	
5660	Parvovirus B19, antibodies	EQA <sup>3</sup>	3	4	
5560	Puumala virus, antibodies	EQA <sup>3</sup>	3**	4	
5673	Respiratory adenovirus, antigen detection		3**	4	
5098	Rotavirus and adenovirus, antigen detection		3**	4	
5672	RS virus, antigen detection	*	3**	2	
5667	Rubella virus, antibodies	EQA <sup>3</sup>	3	4	
5099	Tick-borne encephalitis virus, antibodies	EQA <sup>3</sup>	3	4	
5677	SARS-CoV-2, antibody detection	*	3	4	
5676	SARS-CoV-2, nucleic acid detection	*	3	4	
5681	SARS-CoV-2, antigen detection	*	3	4	
5665	Varicella-zoster virus, antibodies	EQA <sup>3</sup>	3	4	
5636	Zika virus, antibodies	*	3	2	
<b>MULTIPLEX</b>					
5191	Faecal bacterial pathogens multiplex, nucleic acid detection	*	1	4	
5472	Faecal parasites multiplex, nucleic acid detection		1	4	More Distributions
5304	Gastrointestinal viral multiplex		1	2	
5303	Meningitis-encephalitis multiplex, nucleic acid detection		1	4	
5300	Respiratory infections multiplex, nucleic acid detection		1	4	
5302	Sexually transmitted diseases multiplex, nucleic acid detection	*	1	4	
<b>PATHOLOGY: DIAGNOSTICS</b>					
6701	Gynaecological cytology (liquid based), virtual microscopy		5	1	
6700	Gynaecological cytology (smear), virtual microscopy		5	1	
6542	Histopathology, virtual microscopy		5	2	
6702	Non-gynaecological cytology, virtual microscopy		5	1	
<b>PATHOLOGY: TECHNOLOGY</b>					
6543	Histological staining techniques		1	2	
6600	Immunohistochemical staining methods		1	3	
6600S	Immunohistochemical staining methods, limited selection of antibodies		1	3	

<b>PREANALYTICS</b>						
8817	HIL-index (DEKS)	Co	1	1		
7806	Preanalytics and process in anatomic pathology		5	2		
7800	Preanalytics, clinical chemistry		5	2		
7802	Preanalytics, microbiology		5	2		
7807	Preanalytics, pneumatic sample transport		3	1		<b>NEW</b>
7801	Preanalytics, urine and blood sample collection		5	1		
7804	Preanalytics, POCT in chemistry		5	1		
<b>ANDROLOGY</b>						
6400	Semen analysis		3	1		
<b>CLINICAL PHYSIOLOGY</b>						
7130	ECG, interpretation	EQA <sup>3</sup>	1	2		
<b>GENETICS</b>						
3865	DNA analysis (EQUALIS)	Co	1	1		
<b>LABORATORY INSTRUMENTS</b>						
8814	ELISA reader photometry control (DEKS)	Co	1	1		
<b>REPORT PRINTING AND MAILING</b>						
9987	Report printing and mailing (Labquality Schemes)			1		

- Labquality reserves the right to change the delivery way if necessary due to specific country requirements or cancel the order if feasible delivery is impossible.
- The price includes the specimens, the respective analyte selection, the specified result processing times and the result report. Note that if the volume of the sample included in the product is not sufficient for multiple analysers or tests, Labquality will not send additional samples free of charge. Extra result reports will be charged separately pro rata. Shipping of specimens is included in the price.