Schedule of Accreditation



Organisation Name Eurofins Environment Testing Ireland Ltd Trading As INAB Reg No 138T Sumit Yadav Contact Name Address Hoffman Park, Little Island, Cork, T45PC80 Contact Phone No 01-613 6003 Email Sumit.Yadav@etuki.eurofins.com https://www.eurofins.ie/ Website Accreditation Standard EN ISO/IEC 17025 T Standard Version 2017 Date of award of accreditation 19/05/2003 Scope Classification Chemical testing Services available to the public¹

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered						
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)						
١	Name	Address				
1 Cork Laboratory Hoffman Park, Little Island, Cork, Ireland, T45 PC80						

Scope of Accreditation

Cork Laboratory

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP	
766 Environmental testing (inc waters)01 Metal analysis	ICPMS Metals Trace/Dissolved ¹²³⁴	Aluminium (µg/l)	5-7500	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water		Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188	
		Antimony (µg/l)	0.1-30	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water		Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188	
		Arsenic (µg/l)	0.2-60	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water		Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188	
		Bai	Bar	Barium (µg/l)	1.77-300	.01 Water for potable and domestic purposes .99 Other waters	ICP-MS

		Ground water Surface water		(1999) Metals by ICP- MS. EW188
Beryllium (µg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Boron (mg/l)	0.21-6	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Cadmium (µg/l)	0.1-30	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Calcium (mg/l)	1.08-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Chromium (µg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Cobalt (µg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Copper (mg/l)	0.003-9	.01 Water for potable and domestic purposes	ICP-MS	Documented In-house methods based: USEPA Method 200.8

		.99 Other waters Ground water Surface water		(1999) Metals by ICP- MS. EW188
Iron (μg/l)	5-7500	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Lead (µg/l)	0.51-450	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Magnesium (mg/l)	1.11-90	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Manganese (µg/l)	1-1500	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Mercury (µg/l)	0.03-6	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Molybdenum (µg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Nickel (µg/l)	0.5-150	.01 Water for potable and	ICP-MS	Documented In-house methods based:

		domestic purposes .99 Other waters Ground water Surface water		USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Potassium (mg/l)	0.15-60	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Selenium (µg/l)	0.2-60	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Sodium (µg/l)	1.5-450	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Strontium (ug/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Tin (μg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
Titanium (μg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188

		Total Hardness by Calculation (mg/l CaCO3)	3-330	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Determination of Total Hardness	Documented In-house methods calculation based on APHA 2340B Determination of Total Hardness. EW188
		Vanadium (µg/l)	1-300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
		Zinc (µg/l)	1 - 300	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	ICP-MS	Documented In-house methods based: USEPA Method 200.8 (1999) Metals by ICP- MS. EW188
766 Environmental testing (inc waters)02 Biochemical oxygen demand	BOD by Automated Analyzer Method 134	BOD	1 to 1300 mg/L	.99 Other waters Ground water Surface water Waste water - Untreated - Treated - Trade	Biochemical Oxygen Demand by Automated Analyzer	Documented in-house methods based on: APHA 5210B EN1899-1:1998 Biochemical Oxygen Demand EW001R
	cBOD by Automated Analyzer Method 134	cBOD	1 to 1300 mg/L	.99 Other waters Ground water Surface water Waste water - Untreated - Treated - Trade	Carbonaceous Biochemical Oxygen Demand by Automated Analyzer	Documented in-house methods based on: APHA 5210B EN1899-1:1998 Biochemical Oxygen Demand EW001R
766 Environmental testing (inc waters)03 Chemical oxygen demand	Demand by Closed	COD(mg/l)	High Range 8-10,000	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent	Closed Reflux Colorimetry	Documented in-house methods based on: APHA 5220D (2012) closed Reflux Colorimetric. EW094

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				 Treated/Effluent Trade 		
			Low Range 8-1,500	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Closed Reflux Colorimetry	Documented in-house methods based on: APHA 5220D (2012) closed Reflux Colorimectric. EW094
766 Environmental testing (inc waters)04 Organic	Acid Herbicides^1234	236 - Trichlorobenzoic, 24-D, 24-DB, Bentazone, Boscalid, Clopyralid, Dicamba, Dichloroprop, Fluroxypyr, MCPA, MCPB, Mecoprop (MCPP), Pentachlorophenol (PCP), Picloram, Triclopyr, Quinmerac, Bromoxynil, loxynil, 2,4,5-T, Bromacil	0.01µg/L - 1 µg/L	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water	LCMSMS	Documented In-house methods based on: Test Method EO162; USEPA Method 538- 1, USEPA Method 535
		Chlorfeniphos, Diazinon, Atrazine, Propyzamide, Simazine, Chlorotoluron, Diuron, Isoproturon, Linuron,	0.01µg/L - 1 µg/L	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water	LCMSMS	Documented In-house methods based on: Test Method EO165; USEPA Method 538- 1, USEPA Method 536

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		Chlopropham, Epoxiconazole, Diflufenican, Metaldehyde, Metazachlor,				
	Total Pesticides (Calculation)	Total Pesticides	0.01 - 1 ug/l	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Total Pesticides by Calculation	Documented in-house methods based on: EO196
	Volatile Organic Carbons (VOC & THM) in Water by Headspace GC/MS	Bromodichloromethane Chloroform Dibromochloromethane Total THM's (Sum) Benzene 1,2-dichloroethane Tetrachloroethene Trichloroethene Total Tetra/Tri (Sum)	2-50 µg/l	domestic purposes .99 Other waters	Headspace GCMS	US EPA 5021A /USEPA Method 524.2/EO025HS
766 Environmental testing (inc waters)05 Inorganic	Bromate by Ion Chromatography ¹²³⁴	Bromate (ug/l)	1-50	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Ion Chromatography	Documented in-house methods based on: USEPA 326.0 Ion Chromatography. EW137
	Dissolved Oxygen ¹³⁴	Dissolved Oxygen (mg/l)	1 - 10	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water -	DO Meter	Documented in-house methods based on: APHA 4500G Dissolved oxygen measurement EW043

			Untreated/Influent		
			- Trade		
Fluoride ¹²³⁴	Flouride	0.1 to 2 mg/l	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Fluoride by IC	Documented in-house methods based on: USEPA Method 300.1 (1997). Flouride by IC. EW137
Gallery Plus Discrete Analyser Tests ¹²³⁴	Ammonia as N (mg/l N)	0.05- 0.5	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on: APHA 4500NH3G. EW175
	Ammonia as NH3 by Calculation (mg/l NH3)	0.06-0.608	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on: APHA 4500NH3G. EW175
	Ammonium as NH4 by Calculation (mg/l NH4)	0.06-0.644	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on: APHA 4500NH3G. EW175
	Chloride (mg/l)	5-100	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:APHA4500- CL G (2012) EW175

Colour (PtCo-Hazen)	5 - 50	.01 Water for potable and domestic purposes	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:APHA 2120C (2012) EW175
Fluoride (mg/l)	0.2-2	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:EPA340.3 EW175
Nitrate by Calculation (mg/l N)	1- 15	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:USEPA 353.1.Rev 1 EW175
Nitrate by Calculation (mg/I NO3)	4.4-66	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:USEPA 353.1.Rev 1 EW175
Nitrite (mg/l N)	0.1-0.5	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:APHA 4500- NO2 (2012) EW175
Nitrite as NO2 by calculation (mg/l NO2)	0.33-1.6	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:APHA 4500- NO2 (2012) EW175
Orthophosphate-MRP (mg/I P)	0.05-0.5	.01 Water for potable and domestic purposes .99 Other waters	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry

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			Ground water Surface water		based on:USEPA 365.1 EW175
	Phosphate by Calculation (mg/l P2O5)	0.11-1.15	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:USEPA 365.1 EW175
	Phosphate by Calculation (mg/l PO4)	0.15-1.5	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:USEPA 365.1 EW175
	Sulphate (mg/l)	1- 100	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:APHA 4500- SO4 E EW175
	TON	1- 15	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Autoanalyser Spectrophotometry	Documented in-house method by Autoanalyser Spectrophotometry based on:USEPA 353.1.Rev 1 EW175
ICPMS Metals Total	Total Aluminium (ug/l)	15-22500	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
	Total Antimony (ug/l)	0.3-90	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
	Total Arsenic (ug/l)	0.6-180	.99 Other waters Waste water -	Digestion ICPMS	Documented in-house method based on

		Untreated/Influent - Treated/Effluent - Trade		USEPA Method 200.8 EW187
Total Barium (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Beryllium (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Boron (mg/l)	0.6-18	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Cadmium (ug/l)	0.3-90	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Calcium (mg/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Chromium (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Cobalt (ug/l)	3-900	.99 Other waters Waste water	Digestion ICPMS	Documented in-house method based on

		- Untreated/Influent - Treated/Effluent - Trade		USEPA Method 200.8 EW187
Total Copper (mg/l)	0.009-27	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Iron (ug/l)	15-22500	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Lead (ug/l)	1.5-1350	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Magnesium (mg/l)	3-270	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Manganese (ug/l)	3-4500	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Mercury (ug/l)	0.09-18	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187

Total Molybdenum (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Nickel (ug/l)	1.5-450	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Potassium (mg/l)	1-180	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Selenium (ug/l)	0.6-180	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Sodium (mg/l)	4.5-1350	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Strontium (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent - Treated/Effluent - Trade	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187
Total Zinc (ug/l)	3-900	.99 Other waters Waste water - Untreated/Influent	Digestion ICPMS	Documented in-house method based on USEPA Method 200.8 EW187

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			- Treated/Effluent - Trade		
Suspended Solids ¹²³⁴	Suspended Solids (mg/l)	5-1000	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Gravimetric	Documented in-house methods based on: APHA 2540D Suspended solids by Gravimetric analysis EW013
TOC/DOC ¹²³⁴	TOC/DOC (mg/l)	1 - 100	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	TOC analyzer	Documented in-house method based on: USEPA Method 415.3 Total Organic Carbon by Combustion Oxidation. EW123
Total Dissolved Solids ¹²³⁴	TDS	15-1000 mg/l	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Total Dissolved Solids @180C	APHA 2540C (2012) Total Dissolved Solids at 180C EW046
Total Kjeldahl Nitrogen ¹³⁴	Total Kjeldahl Nitrogen by Calculation (mg/l)	1-49	"01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water	Nitrogen by calculation	Documented in-house methods based on: Nitrogen by calculation EW010

			- Untreated/Influent - Treated/Effluent - Trade"		
Total Nitrogen ¹²³⁴	Total Nitrogen	1-150 mg/l	.99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Total Nitrogen by Ganimede Automatic analyser	Documented in-house methods based on: APHA 4500NB EW196
	Total Nitrogen (mg/l)	1-150	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade		Documented in-house methods based on: APHA 4500NB (2012) by TN Analyser. EW140
Total Phoshorus ¹²³⁴	Total Phosphorus (mg/l)	0.02 -50	01 Waters for potable and domestic purposes .99 Other waters Ground water Surface water Waste water - Untreated/Influent - Treated/Effluent - Trade	Total Phosphorus by Ganimede	Documented in-house methods based on:APHA 4500 PJ Total Phosphorus by Ganimede. EW 146
Turbidity Measurement¹³⁴	Turbidity (NTU)	0.12 - 150	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	Turbidity Technique	Documented in-house methods based on: ISO 7027:1999 EW136
UV Spectrometry ¹³⁴	UV Absorbance (cm1)	0.014- 1	.01 Water for potable and domestic purposes	UV Spectrometry @254nm	Documented in-house methods based on: EW182 - USEPA

				.99 Other waters Ground water Surface water		415.3, Standard method 5910B
		UV Transmittance (%)	10-96	.01 Water for potable and domestic purposes .99 Other waters Ground water Surface water	UV Spectrometry @254nm	Documented in-house methods based on: EW182 - USEPA 415.3, Standard method 5910B
767 Physical test/measurement01 pH	pH Measurement by Automated Analyzer Method 1234	рН	4-10 pH units	.99 Other waters Ground water Surface water Waste water - Untreated - Treated - Trade	pH Meter by Automated Analyzer	Documented in-house methods based on: APHA method 2510B EW152R
767 Physical test/measurement02 Conductivity	Conductivity by Automated Analyzer Method 1234	Conductivity	91-11656µS/cm @20DegC	.99 Other waters Ground water Surface water Waste water - Untreated - Treated - Trade	Conductivity Meter by Automated Analyzer	Documented in-house methods based on: APHA method 2510B EW152R
The laboratory has been awarded flexible scope in the scope classifications as noted in the scope document and in accordance with the laboratory's approved and documented procedures.						
Note 1 - Range may be extended for the test Note 2 – New parameters/tests may be added Note 3 – New matrices may be added Note 4 – Changes to equipment/kits where the underlying methodology does not change For further details please refer to the laboratory's 'List of flexible scope changes', available directly from the laboratory.						