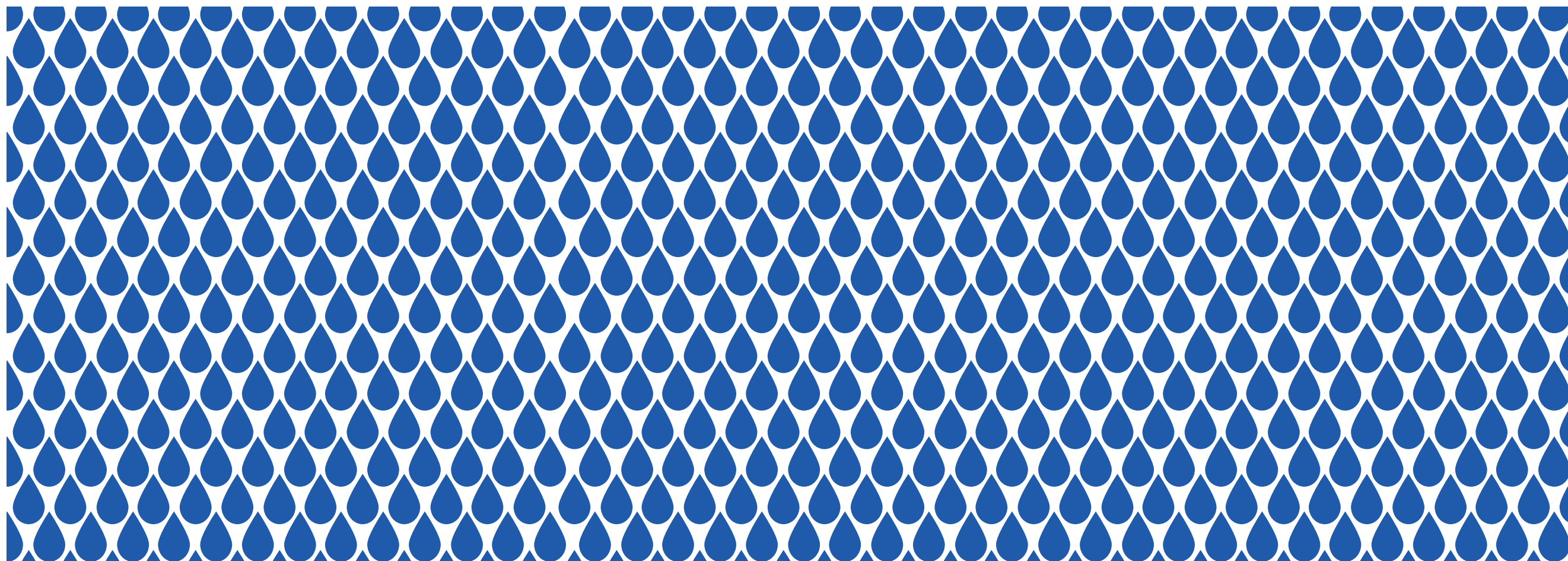


PRECISION

& PROCESS ACCOUNTABILITY

TOC & Conductivity Certified Reference
Materials (CRMs) & Consumables

For use with Anatel® models



Altus Science

Altus Science manufacture Certified Reference Materials (CRMs) for Total Organic Carbon (TOC) & Conductivity which are used with TOC & Conductivity analysers in Pharmaceutical water quality testing. As well as this, we supply certified low TOC vials and consumables for the respective analysers.

Impartial

We are a privately owned independent company, this independence, together with our rigorous Quality Management System (QMS), allows us to manufacture unbiased TOC and Conductivity CRMs for all makes of analyser. The primary objective we have at Altus Science is to manufacture the highest quality TOC & Conductivity CRMs.

We understand the damage that poor customer service can cause. Altus Science aim to be considered as a company who offers outstanding customer service. We offer 24/7/365 support. External Quality Assurance, customised concentrations, we even offer in house training, bringing great minds together and sharing knowledge.

Robust

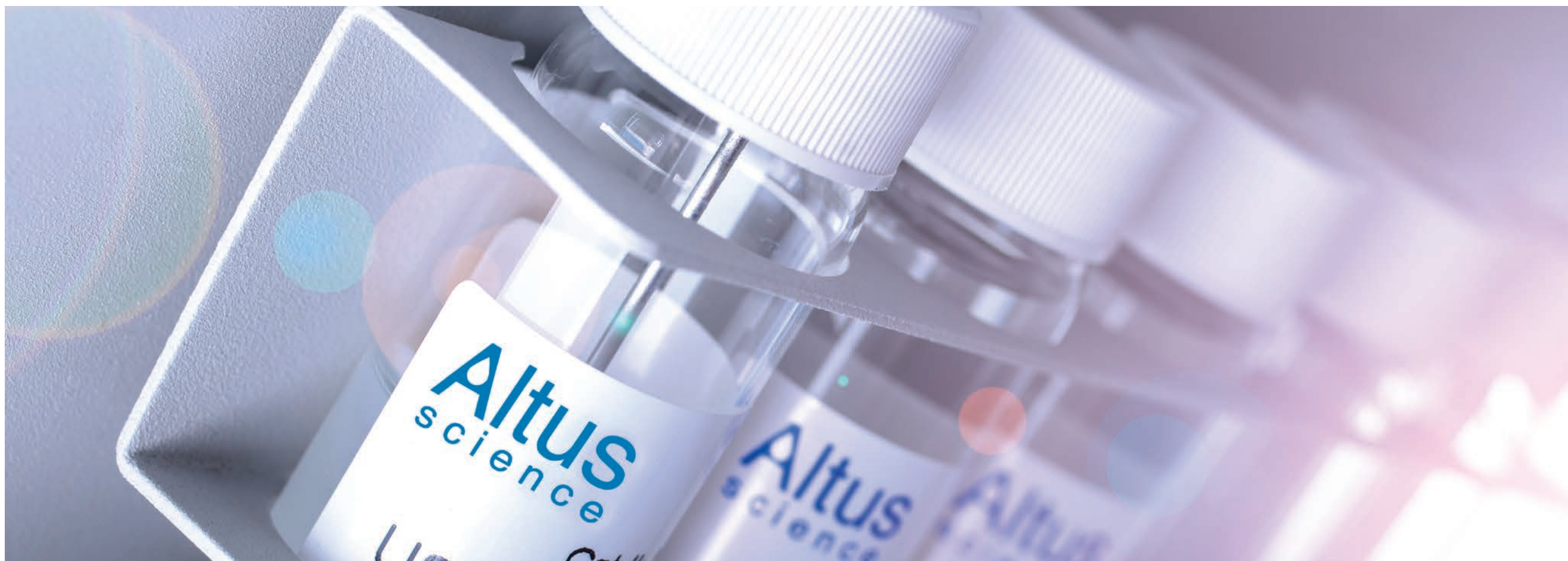
Using Altus Science CRMs:

- Provides security & safety for your own Quality Management System
- Creates documentation for audits & Quality Assurance (now available on our website)
- Fulfils the requirements of internal & external audits
- Ensures consistent quality of CRMs through high reproducibility, repeatability and comparability
- Delivers cost & time savings, by optimising operations & reducing errors
- Creates Process Accountability

Dependable

With over 40 years combined experience supporting Life Science customers involved with TOC, we understand the need for process accountability. Altus Science works to the highest achievable accreditations and has UKAS accreditation to ISO/IEC 17025 and ISO Guide 34. The culture we operate embraces quality throughout our business. Our continuous improvement along with our QMS ensures our products remain dependable.

* Note: some products are not accredited to ISO Guide 34. For scope of accreditation please visit ukas.com



For use with Beckman Coulter model QbD1200

Altus Science manufacture and supply independent CRMs for all Beckman Coulter brand TOC analysers

USP/EP TOC System Suitability Kits

Catalogue #	Description
A-47070-040	0.500mg/L C System Suitability Kit -- 40ml (3 Vials)
Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss	
Catalogue #	Description
A-47080-040	8.00mg/L C System Suitability Kit -- 40ml (3 Vials)
Kit includes: (1) USP Reagent Water Rw, (1) 8.00mg/L C from USP Sucrose Rs, (1) 8.00mg/L C from USP 1,4 Benzoquinone Rss	

Calibration Kits

Catalogue #	Description
A-47500-125	Calibration Solution Kit - 125ml (1 Bottle)
Kit includes: (1) 5.00mg/L C from NIST KHP	

Consumables & Reagents

Catalogue #	Description
A-47400-REA	One Reagent Stock Solution - 1000ml (1 Bottle)
ULTRA-100	Case of 100 x 40ml Borosilicate Glass Vials with Cap and Septa - Ultrapure Cleaned and Certified < 0.010mg/L C

Validation Kits

Catalogue #	Description
A-47600-040	SDBS Validation Kit - 40ml (2 Vials)
Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L from SDBS	
Catalogue #	Description
A-47550-125	Accuracy & Precision Kit - 125ml (1 Vial)
Kit includes: (1) 5.00mg/L C from NIST KHP	
Catalogue #	Description
A-47350-040	Validation Protocol Kit (22 Parts)
Kit Includes: (1) One Reagent Stock Solution, (1) SDBS Validation Kit (Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L from SDBS), (1) System Suitability Kit 0.500mg/L C (Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss), (1) System Suitability Kit 8.00mg/L C (Kit includes: (1) USP Reagent Water Rw, (1) 8.00mg/L C from USP Sucrose Rs, (1) 8.00mg/L C from USP 1,4 Benzoquinone Rss), (1) Specificity Kit (Kit includes: (1) Calibration Blank, (1) 1.00mg/L C from NIST KHP, (1) 1.00mg/L IC from NIST NaHCO3, (1) 1.00 mg/L C from NIST KHP & 1.00mg/L IC from NIST NaHCO3), (1) Robustness Kit (Kit Includes: (1) 4.00mg/L C from NIST KHP Alkaline pH, (1) 4.00mg/L C from NIST KHP pH Neutral, (1) 4.00mg/L C from NIST KHP Acidic pH, (1) 1.00mg/L C from NIST KHP Alkaline pH, (1) 1.00mg/L C from NIST KHP pH Neutral, (1) 1.00mg/L C from NIST KHP Acidic pH), (2) Calibration Solution Kit (Kit includes: (1) 5.00mg/L C from NIST KHP -- 125ml (1 Bottle))	
Catalogue #	Description
A-47700-040	Specificity Kit - 40ml (4 Vials)
Kit includes: (1) Calibration Blank, (1) 1.00mg/L C from NIST KHP, (1) 1.00mg/L IC from NIST NaHCO3, (1) 1.00 mg/L C from NIST KHP & 1.00mg/L IC from NIST NaHCO3	
Catalogue #	Description
A-47450-040	Robustness Kit - 40ml (6 Vials)
Kit Includes: (1) 4.00mg/L C from NIST KHP Alkaline pH, (1) 4.00mg/L C from NIST KHP pH Neutral, (1) 4.00mg/L C from NIST KHP Acidic pH, (1) 1.00mg/L C from NIST KHP Alkaline pH, (1) 1.00mg/L C from NIST KHP pH Neutral, (1) 1.00mg/L C from NIST KHP Acidic pH	

For use with Anatel® model PAT700

Altus Science manufacture and supply independent CRMs for all Hach Anatel® brand TOC analysers

All PAT700 standards are supplied with RFID tags

USP/EP TOC System Suitability Kits

Catalogue #	Description
A-47070-060	System Suitability Kit -- 60ml (3 Vials)

Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss

Japanese Pharmacopoeia Kits

Catalogue #	Description
A-4701-060	Calibration Blank -- 60ml (1 Vial)
A-4719-060	0.500mg/L C from Sodium Dodecyl Benzene Sulphonate (SDBS) -- 60ml (1 Vial)
A-47150-060	Japanese Pharmacopoeia Calibration Standards Kit -- 60ml (4 Vials)

Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST KHP, (1) 0.750mg/L C from NIST KHP, (1) 1.25mg/L C from NIST KHP

Consumables & Reagents

Catalogue #	Description
A-4790-UVL	Replacement Ultra Violet Lamp for Anatel Model PAT700

Calibration Kits

Catalogue #	Description
A-47100-060	Calibration Standards Kit -- 60ml (4 Vials)

Kit includes: (1) Calibration Blank, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose

Catalogue #	Description
A-4700-060	100µS/cm Conductivity Solution Kit -- 60ml (1 Vial)

Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl

Catalogue #	Description
A-47200-060	Validation Control Kit -- 60ml (2 Vials)

Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose

Catalogue #	Description
A-47300-060	Validation Protocol Reagent Kit -- 60ml (41 Vials)

Kit includes: (1) System Suitability Kit (Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss), (2) Calibration Standards Kits (Kit includes: (1) Calibration Blank, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose), (1) Validation Control Kit (Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose), (1) Excursion with Validation Kit (Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose, (1) Excursion Vial), (5) 100µS/cm Conductivity Standards from NIST KCl, (14) Calibration Blanks, (1) 0.250mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose, (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss, (2) Excursion Bottles - NB Kits does NOT include NIST Traceable Resistor

Catalogue #	Description
A-47320-060	Excursion Kit -- 60ml (10 Vials)

Kit includes: (10) 60ml Amber HDPE Bottles

Catalogue #	Description
A-47310-060	Excursion with Validation Kit -- 60ml (3 Vials)

Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose, (1) Excursion Vial

For use with Anatel® model TOC600

Altus Science manufacture and supply independent CRMs for all Hach Anatel® brand TOC analysers

USP/EP TOC System Suitability Kits

Catalogue #	Description
A-4070-125	System Suitability Kit -- 125ml (3 Bottles)
Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss	

Consumables & Reagents

Catalogue #	Description
A-4090-UVL	Replacement Ultra Violet Lamp for Anatel Model TOC 600

Calibration Kits

Catalogue #	Description
A-4080-125	Calibration Standards Kit -- 125ml (4 Bottles)
Kit includes: (1) Calibration Blank, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose	

Catalogue #	Description
A-4001-125	100µS/cm Conductivity Solution Kit -- 125ml (1 Bottle)
Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl	

Catalogue #	Description
A-4090-125	Validation Control Kit -- 125ml (2 Bottles)
Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose	

Catalogue #	Description
A-4100-125	Validation Protocol Reagent Kit -- 125ml (29 Bottles)
Kit includes: (4) System Suitability Kits (Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss), (3) Calibration Standards Kits (Kit includes: (1) Calibration Blank, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose), (2) Validation Control Kits (Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose), (1) Conductivity Solution Kit (Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl)	

For use with Anatel® model A1000

Altus Science manufacture and supply independent CRMs for all Hach Anatel® brand TOC analysers

USP/EP TOC System Suitability Kits

Catalogue #	Description
A-4800-001L	System Suitability Kit -- 1000ml (3 Bottles)

Kit includes: (1) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L from USP 1,4 Benzoquinone Rss

Calibration Kits

Catalogue #	Description
A-4880-001L	Calibration Standards Kit -- 1000ml (4 Bottles)

Kit includes: (1) Calibration Blank, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose

Catalogue #	Description
A-4890-001L	Validation Control Kit -- 1000ml (2 Bottles)

Kit includes: (1) Calibration Blank, (1) 0.500mg/L C from NIST Sucrose

Catalogue #	Description
A-48001-001L	100µS/cm Conductivity Solution Kit -- 1000ml (1 Bottle)

Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl

For use with Anatel® model A643

USP/EP TOC System Suitability Kits

Catalogue #	Description
A-4040-060	System Suitability Kit -- 60ml (4 Vials)

Kit includes: (2) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss

Calibration Kits

Catalogue #	Description
A-4020-060	Calibrations Standards Kit -- 60ml (5 Vials)

Kit includes: (2) Calibration Blanks, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose

Catalogue #	Description
A-4000-060	100µS/cm Conductivity Solution Kit -- 60ml (1 Vial)

Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl

Catalogue #	Description
A-4030-060	Validation Control Kit -- 60ml (3 Vials)

Kit includes: (2) Calibration Blanks, (1) 0.500mg/L C from NIST Sucrose

Catalogue #	Description
A-4050-060	Validation Protocol Reagent Kit -- 60ml (38 Vials)

Kit includes: (4) System Suitability Kits (Kit includes: (2) USP Reagent Water Rw, (1) 0.500mg/L C from USP Sucrose Rs, (1) 0.500mg/L C from USP 1,4 Benzoquinone Rss), (3) Calibration Standards Kits (Kit includes: (2) Calibration Blanks, (1) 0.250mg/L C from NIST Sucrose, (1) 0.500mg/L C from NIST Sucrose, (1) 0.750mg/L C from NIST Sucrose), (2) Validation Control Kits (Kit includes: (2) Calibration Blanks, (1) 0.500mg/L C from NIST Sucrose), (1) 100µS/cm Conductivity Solution Kit (Kit includes: (1) 100µS/cm Conductivity Standard from NIST KCl)

Consumables & Reagents

Catalogue #	Description
A-4090-UVL	Replacement Ultra Violet Lamp for Anatel Model A643a
A-47025-060	60ml Low TOC HDPE Bottles includes Caps and Septa -- Case of 25