

5 VIYON MIDDLE EAST L.L.C · SECTOR BROCHURE 5 OF 7

Environmental Regulatory & Water Quality Testing

Fulfill rigid U.S. EPA, municipal, and ESMA compliance monitoring parameters.

Part of **Industrial Application & Technical Workflow Solutions**, the strategic portfolio of Viyon Middle East L.L.C., built on the high-tier analytical and industrial brands we represent across the United Arab Emirates.

**200.7 · 200.8 ·
6010c**
EPA method mixes

**SS-1 · SS-2 · BE-
1**
soil and sludge CRMs

ISO 17025
custom standards in 72 h

PHOENIX 4
helium leak detection

BRANDS IN THIS BROCHURE



EPA-Certified Multi-Element Water, Sludge & Soil Reference Controls

SCP SCIENCE

analytichem
 your science enabled

Products

- **Compliance Standards:** EPA method mixes, TCLP standards, and EnviroMAT™/AgroMAT™ matrix reference materials.
- **EPA Regulated Method Mixes:** Pre-blended solutions for U.S. EPA Methods 200.7 (water and wastes by ICP-OES), 200.8 (ICP-MS groundwaters), and 6010c (soils and industrial sludges).
- **EnviroMAT™ & AgroMAT™:** Field-substrate CRMs certified by round-robin study, including contaminated soils (SS-1, SS-2), sewage sludge (BE-1), and wastewater, drinking water, and groundwater concentrates.
- **Petroleum Hydrocarbon Standards:** Ready-to-use GC mixes for DRO, GRO, EPH, VPH and TPH, plus PCB and VOC analysis in soil and water.
- **Pico-Pure® ICP-MS Acids:** Chem-Lab high-purity acids at ppb and ppt metal levels for digesting water, soil and sludge samples without adding contamination.



EnviroMAT reference materials



EPA method calibration standards



Pico-Pure nitric acid

MANUFACTURER / SUPPLIER

SCP SCIENCE

analytichem
 your science enabled

SCP SCIENCE · Chem-Lab (AnalytiChem)

Trace Microextraction Consumables & Systems


TRAJAN

Products

- **MEPS® Microextraction:** Packed-sorbent BINs (C18, C8, C2, APS, HVDB, SDVB) on eVol MEPS syringes that extract and inject in one syringe, using far less sample and solvent than cartridge SPE.
- **Environmental GC Phases:** BP624 for EPA 624, 8240 and 8260 volatiles and HT8 / HT8-PCB for PCB congener work.
- **BP1 & BP5 / BP5MS:** Non-polar 100% dimethyl polysiloxane and 5% phenyl-siloxane columns for hydrocarbons, environmental organic pesticides, and industrial solvents.



SGE capillary GC column



GC autosampler syringes

MANUFACTURER / SUPPLIER


TRAJAN

Trajan Scientific / SGE Analytics

Multi-Gas Mobile Leak Detectors & Mass Spectrometer Analyzers



Products

- **Leak Detection:** PHOENIX 4 detectors and LEYSPEC mobile RGA carts.
- **PHOENIX 4 Helium Leak Detectors:** Mobile or stationary vacuum and sniffer testing, USB data logging, a colour touchscreen, and an integrated webserver for Wi-Fi remote control.
- **LEYSPEC Residual Gas Analyzers:** Compact mass spectrometers covering 100, 200, or 300 amu, mountable in any orientation with an on-board display and bakeable to 300°C.



PHOENIX 4 leak detector on cart



LEYSPEC Cart residual gas analyzer

MANUFACTURER / SUPPLIER



Sample Preparation, BOD & Sample Storage



Centrifuges for clarifying water, sludge, and soil extracts; cooled incubators for BOD determination; drying ovens for suspended solids; and refrigerators for water and sewage samples.

MANUFACTURER / SUPPLIER

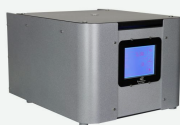


K241E / K241RE Medium Prime Centrifuges (1 L)

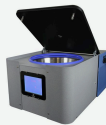


Mid-size benchtop centrifuges reaching 24,000 G.

- **Applications:** micro rotors 0.2 to 2.2 ml and PCR; haematocrit (PCV) rotor; fixed-angle rotors for 15 and 50 ml tubes; swing-out rotor for 0.5 to 250 ml tubes.
- **Swing-out rotor BRK1001E:** 4 × 250 ml buckets (1 litre), 4,000 rpm / 2,650 RCF, with adaptors for blood collection tubes, Falcon, and Nalgene/Oakridge tubes.



K241E medium prime centrifuge



K241RE refrigerated centrifuge

SPECIFICATION	K241E	K241RE
Speed	500–15,000 rpm	500–15,000 rpm
Max RCF	24,000 G	24,000 G
Temperature	Ambient	-20°C to +40°C, PID ±1°C
Dimensions HWD (mm)	340 × 400 × 520	330 × 435 × 650
Weight	25.8 kg	57.8 kg
Power	275 W	625 W

K242E / K242RE Large Centrifuges (2 L)



Large-capacity benchtop centrifuges with an optional trolley (XMFSE, total height 98 cm).

- **Applications:** micro rotors and PCR; haematocrit (PCV) rotor; large fixed-angle rotors for 15, 50, and 100 ml tubes; swing-out rotor for 0.5 to 750 ml tubes; microplate rotor for 4 standard or 2 high plates.
- **Swing-out rotor BRK3000E with B2001E buckets:** 4 × 500 ml, 4,000 rpm / 3,600 RCF.



K242E large centrifuge



K242RE refrigerated centrifuge on trolley

SPECIFICATION	K242E	K242RE
Speed	15,000 rpm	22,000 rpm
Max RCF	24,000 G	24,000 G
Temperature	Ambient	-20°C to +40°C, PID ±1°C
Dimensions HWD (mm)	375 × 540 × 620	410 × 825 × 650
Weight	54.5 kg	87.8 kg
Power	750 W	1,200 W

ST Cooled Incubators

Heated and cooled incubators that hold a stable temperature from +3°C to +40°C (up to +70°C as an option) regardless of room conditions. Single, double, and triple chamber versions, with photoperiodic (FOT) or phytotron (FIT) day/night lighting options.

- **Applications:** BOD determination, microbiological research, plant growing and microorganism breeding at set temperatures, and storage of liquids and samples for physicochemical analysis.
- **Programs:** six-segment temperature-time profiles, 3 user programs, start delay up to 99:59 h, and min/average/max recording per segment.



ST double-chamber cooled incubator

MODEL	ST 1	ST 2	ST 3	ST 4	ST 5	ST 6	ST 500	ST 700	ST 1200	ST 1450
Chamber capacity (L)	70	150	200	250	300	400	500	625	1365	1460
Working capacity (L)	55	122	163	203	243	324	386	450	1229	1307
Nominal power (W)	160	170	170	330	330	330	400	400	550	550
Weight (kg)	32	54	59	69	75	90	105	115	185	200

SL Drying Ovens

Drying ovens reaching from 5°C above ambient up to +300°C, with natural (SLN) or forced (SLW) air convection, acid-proof DIN 1.4301 stainless steel interiors, and 0.1°C resolution.

- **Applications:** thermal resistance analysis of building materials and electronic components, ageing and curing, drying of laboratory glass, vulcanization studies, conditioning, digestion of proteins, drying of plant tissues, drug metabolism, life and exposure studies, serum protein analysis, and suspended solids evaluation.
- **Protection:** over-temperature class 2.0 to DIN 12880, with class 3.1 as an option and standard in TOP+.



SL drying oven

MODEL	SL 15	SL 32	SL 53	SL 115	SL 180	SL 240	SL 400	SL 750	SL 1000
Chamber capacity (L)	15	32	56	112	180	245	424	749	1005
Overall W x H x D (mm)	510 × 550 × 440	590 × 630 × 500	590 × 700 × 600	650 × 850 × 700	650 × 1030 × 760	810 × 1200 × 760	1010 × 1430 × 750	1260 × 1600 × 850	1260 × 2000 × 850
Nominal power (W)	600	1100	1600	2400	2400	3000	3900	5400	5400
Weight (kg)	27	35	50	65	94	126	174	260	330

THERMOSTATIC EQUIPMENT

CHL Laboratory Refrigerators



Single or double chamber laboratory refrigerators from 0°C to +15°C, with -10°C to +15°C available as an option. Forced air convection, defrosting, and microprocessor time and temperature control.

- **Applications:** storing water and sewage samples and piezometer leachate, AAS, GC, and HPLC calibration standards, reagents, and chemicals.
- **Standard equipment:** solid door (glass optional), RS 232, wire shelves, and a test certificate at +4°C.



CHL laboratory refrigerator

MODEL	CHL 1	CHL 2	CHL 3	CHL 4	CHL 5	CHL 6	CHL 500	CHL 700	CHL 1200	CHL 1450
Chamber capacity (L)	70	150	200	250	300	400	500	625	1365	1460
Working capacity (L)	55	122	163	203	243	324	386	450	1229	1307
Nominal power (W)	160	170	170	330	330	330	400	400	550	550
Weight (kg)	32	54	59	69	75	90	105	115	185	200

THERMOSTATIC EQUIPMENT

Controllers, Software & Qualification



Every Excelsior thermostatic unit uses a PID microprocessor controller. All products can be supplied with a calibration certificate from an accredited measurement laboratory and with IQ, OQ, and PQ qualification.

- **STD controller:** LCD graphic display, six-segment profiles, 3 user programs, alarms, power failure recovery, and memory for 2,046 data records.
- **TOP+ controller:** 5.7" colour touch screen, up to 100 program segments, 20 user programs, user accounts with login, password-protected settings, 4,100 records per user, USB export, and remote control over Ethernet or the internet.
- **EasyLab software:** EasyLab Basic downloads stored data to a PC free of charge; EasyLab Professional adds continuous logging, charts, reports, and TOP+ programming.



STD microprocessor controller



TOP+ colour touch screen



EasyLab software screen

LOCAL ASSURANCE

Regulatory Clearance, Local Assurance & Contact

Certified Local Quality Assurance & Machinery Safety

- **UAE Compliance:** Viyon Middle East L.L.C ensures that 100% of our distributed machinery, high-pressure vessels, and chemical standard stocks are fully compliant with the regulatory guidelines of the United Arab Emirates.
- **High-Pressure Vessel Authorization:** Rodwell autoclaves operate as precision-engineered pressure systems creating door forces up to 11 tonnes. Viyon manages the mandatory structural safety, validation, and calibration alignments required for local mainland and free zone operations.
- **Industrial Compliance Coordination:** Registered to support direct chemical, petroleum, sterilization, and medical data logistics required by ADNOC Research, free zone safety inspectorates, the Dubai Municipality portal (Montaji parameters), and the Ministry of Health and Prevention (MOHAP).

Request a quotation



CORPORATE ENTITY

Viyon Middle East L.L.C

REGIONAL HUB

Abu Dhabi / Dubai, United Arab Emirates

EMAIL

scientific@viyonmiddleeast.com

TOLL FREE

800 VIYON

TELEPHONE

+971 56 671 6788

WEB

www.viyonscientific.com



Toll Free: 800 VIYON · scientific@viyonmiddleeast.com · +971 56 671 6788 · www.viyonscientific.com

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