

DigiPREP 240

Sample Preparation Made Easy



SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

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Quality Assurance



ISO 9001 CERTIFIED

SCP SCIENCE is certified by Intertek, an internationally recognized registrar, to the latest 2015 revision of ISO 9001. ISO 9001 is a general internationally adopted standard which outlines the requirements for the implementation of a Quality Management System (QMS). Implemented in roughly 1 million organizations worldwide, ISO 9001 continues to be a highly regarded quality benchmark. The standard is not sector specific and can be implemented by organizations of any size which provide products and/or services.

Being ISO 9001 certified means that **SCP SCIENCE** has successfully implemented a series of quality oriented processes to ensure that the products and services it provides will continually meet or exceed customer requirements. In fact, being ISO 9001 not only signifies that we will provide a product meeting your needs, it is also a guarantee that we will continuously improve, all in the aim of enhancing the satisfaction of our customers.

SCP SCIENCE scope of ISO 9001 certification covers the full range of its activities including the distribution, design and manufacturing of *DigiPREP* systems and accessories. Remember that all 9001 registered companies may seem alike until you compare the scope of their certification.

A handwritten signature in black ink, appearing to read "DS" followed by a stylized name.

David Smith
Quality Assurance Manager

DigiPREP 240 FAMILY

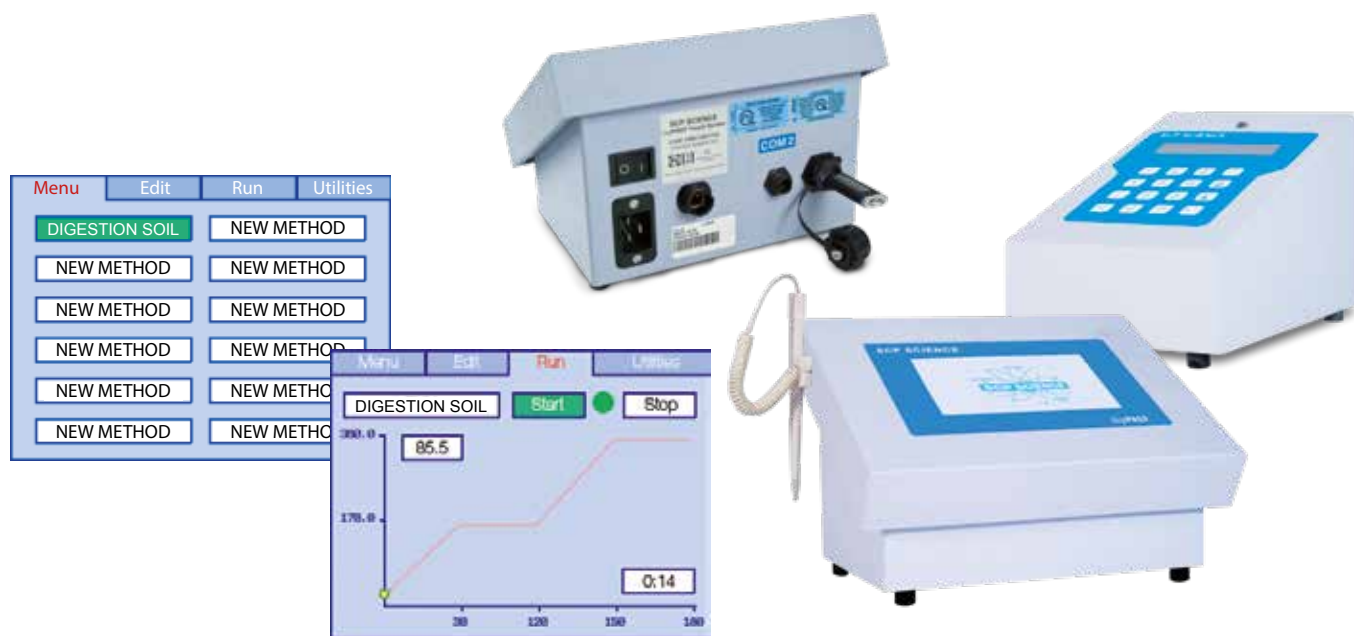
SCP SCIENCE introduces the latest graphite digestion block to the analytical market: the *DigiPREP* 240 series with newly configured controllers. This system is ideal for high temperature digestions in Teflon® and glass vessels up to 240 °C. This innovative Teflon® coated graphite block is made with a unique shape around the wells to prevent acid spills from migrating into the housing. This world-leading concept also has built in temperature control with temperature uniformity (at 95 °C) of +/- 1.5 °C and accuracy (at 240 °C) of +/- 3.0 °C.

Sample Preparation

CONTROLLERS

Select one of our controllers to go with the *DigiPREP* 240 series. Programmable options include temperature set-point to 0.1°C, timer with shut-off option and operating language option (English, French, Japanese, Chinese, Korean, German, Italian, Spanish and Dutch). For samples that are easy to digest and that require one temperature set-point, the KeyPad Controller is the controller of choice. The Touch Screen Controller with USB offers 12 storable methods, with each method providing 3 programmable levels of "Time to Temperature" and "Time at Temperature". The colour monitor offers real time graphing of the heating sequence while the USB port enables users to save detailed reports on to a USB stick for laboratory audits.

CATALOG#	DESCRIPTION	SIZE (in./cm)	WEIGHT (lb/kg)	CERTIFICATION
010-500-220	KeyPad Controller	5.5W X 7.25D X 4.25H / 14W X 43.8D X 10.2H	2.6 / 1.2	CE/UL/CSA
010-500-275	Touch Screen Controller, with USB	10W X 7.5D X 7H / 25W X 18D X 17.5H	5.5 / 2.5	



Displays block or sample temperature*	Displays actual time remaining in sequence	Select from 10 languages	Utilizes Safety Messages to prevent failure
Timer with shut-off option	Temperature set-point to 0.1°C	Alarm for end of segment	Calibration routine for <i>DigiPROBE</i>

* When used with *DigiPROBE*

Sample Preparation

DIGESTION BLOCKS

The **DigiPREP** 240 series comes in a variety of different sizes and insert types. The **DigiPREP** 240 Jr is the perfect digestion block for small labs, while the **DigiPREP** 240 MS is the ideal system for regular labs. For labs with higher throughput, the **DigiPREP** 240 LS is the block of choice. The series is available in 50 ml well diameters for the 3 standards sizes of JR, MS and LS. The blocks fit all the standard **DigiTUBEs**, with quicker time to temperature due to the heater configuration being used. All blocks work at 230V. The block also comes complete with a Teflon® coated aluminum rack with handle for extra operator safety removing samples. Our top of the line graphite digestion systems are perfect for high temperature digestions.

CATALOG#	DESCRIPTION	POSITIONS
010-505-450	<i>DigiPREP</i> 240 Jr	24
010-505-460	<i>DigiPREP</i> 240 MS	48
010-500-470	<i>DigiPREP</i> 240 LS	72



DigiPREP 240 MS COMBI

is an innovative design that incorporates a rectangular, Teflon® coated chamber for two graphite block inserts. Different size inserts are available as well as custom inserts upon request.

010-500-421 *DigiPREP* 240 MS Combi (230V)

BLOCK INSERTS FOR *DigiPREP* 240 MS COMBI

Catalog #	Description	Position
010-500-421	<i>DigiPREP</i> 240 MS Combi (230V)	
010-500-422	Insert, 60 ml, Savillex	8
010-500-424	Insert, 120 ml, Savillex	8
010-500-426	Insert, 50 ml for Teflon® <i>DigiTUBEs</i>	24
010-500-428	Insert, 100 ml for Teflon® <i>DigiTUBEs</i>	15
010-500-430	Insert for 22 m Teflon® Vessels	54

Accessories

CONSUMABLES

Digestions above 115 °C

010-500-066	Teflon® Digestion Tube, 50 ml (pk/6)
010-500-068	Glass Tube, 100 ml for 50 ml block (pk/6)
010-500-071	Boro Glass Tube, 50 ml, calibrated (pk/6)
010-500-073	Quartz Tube, 50 ml, uncalibrated (pk/6)
010-500-083	Quartz Tube, 50 ml, calibrated (pk/6)
010-500-076	Borosilicate Glass Tube, 50 ml, calibrated at 25 ml (pk/6)
010-500-077	Borosilicate Glass Tube, 50 ml, uncalibrated (pk/6)
010-500-079	Borosilicate Glass Tube, 50 ml, calibrated at 50 ml (pk/6)
010-500-166	Teflon® Screw Cap, for 50 ml Teflon® Tube (pk/6)



Digestions below 115 °C

010-500-262	Polypropylene <i>DigiTUBE</i> s, 50 ml RackLock no caps (750)
010-500-264	Polypropylene <i>DigiTUBE</i> s 50 ml NonRackLock no caps (750)
010-500-070	Polypropylene <i>DigiFILTER</i> 0.45 micron for 50 ml <i>DigiTUBE</i> s (pk/100)
010-500-080	Polypropylene <i>DigiFILTER</i> 1.0 micron for 50 ml <i>DigiTUBE</i> s (pk/100)
010-500-081	Polypropylene 50 ml watch glasses (pk/1000)
010-500-026	Foam storage rack
010-500-060	Blue screw caps (pk/250)
010-500-130	Yellow screw caps (pk/250)
010-500-140	Orange screw caps (pk/250)
010-500-150	Red screw caps (pk/250)
010-500-172	Clear screw caps (pk/250)

Racks

010-500-427	Rack, 50 ml Jr 240
010-500-482	Rack, 50 ml MS / LS 240

STARTUP KITS

Description	Quantity		
	Kit for <i>DigiPREP</i> 240 Jr (010-505-455)	Kit for <i>DigiPREP</i> 240 MS (010-500-465)	Kit for <i>DigiPREP</i> 240 LS (010-500-475)
Type of Kit			
50 ml Teflon® Vessels	2	2	2
<i>DigiTUBE</i> s 50 ml RL w/caps Handy-PAK	200	200	200
<i>DigiFILTER</i> evaluation kit	1	1	1
Rack	1 (50 ml Jr 240)	2 (50 ml MS 240)	3 (50 ml LS 240)
50 ml watch glasses	500	500	500
Foam storage rack	2	2	2

Accessories

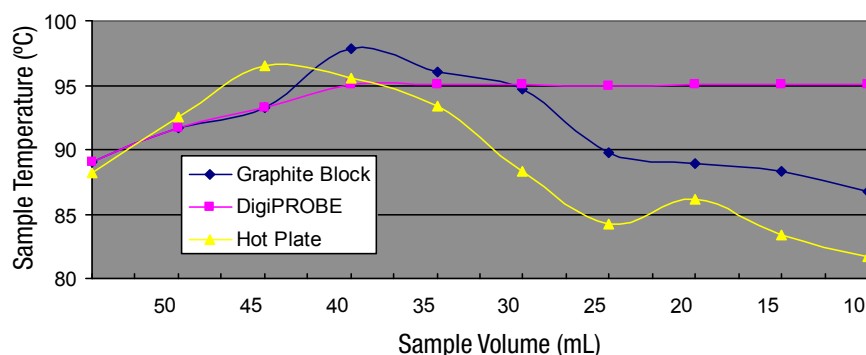
Orange screw caps	50	50	50
Screw caps (Orange, Yellow, Red, Blue, Clear)	50	50	50

DigiPROBE – SUPREME TEMPERATURE CONTROL

Catalog number: 010-505-115 (for 50 ml *DigiTUBEs*).

DigiPROBE is a 6 inch, PFA coated temperature probe which provides direct control and monitoring of the sample temperature when placed in a *DigiTUBE* (010-500-261). Adapter (010-505-113) is required.

Sample Temperature vs Sample Volume



This graph depicts the sample temperature in °C, as the volume in ml decreases during the sample digestion process. Shown here is the temperature stability obtained when using the *DigiPROBE* as opposed to traditional heating methods such as the

hot plate or the graphite block alone. As the sample volume decreases, the sample temperature is constant at 95 °C, thus showing that the temperature reading is independent of the volume in the sample tube when using the *DigiPROBE* during digestion.



DigiSET

Catalog number: 010-500-014 (for 50 ml *DigiTUBEs*)

The *DigiSET* automatic shut-off system works with the *DigiPREP* 240 Jr, MS, LS, or Combi to automatically shut down the *DigiPREP* system when a pre-determined sample volume is reached. Perfect for pre-concentration, evaporation methods or for unattended/overnight digestions.



Accessories

HIGH PURITY ACIDS

PlasmaPURE Trace Metal Grade Acids are manufactured with trace metal impurities of less than 1ppb and are intended for ICP, ICPMS, GFAA and flame AA applications above 1ppb.

Description	Assay	500 ml	2.5 L
Hydrochloric Acid	34 – 37% HCl	250-038-151	250-038-155
Hydrofluoric Acid	47 – 51% HF	250-038-161	-
Nitric Acid	67 – 69% HNO ₃	250-038-171	250-038-175
Sulphuric Acid	93 – 98% H ₂ SO ₄	250-038-181	250-038-185
Ammonia Solution	20 – 22% NH ₃	250-038-191	-

Complete with a Certificate of Analysis with lot number, expiry date, and maximum specification for over 60 analytes
Complete documentation for audit purposes

Refined for low trace metals analysis

Two expiry dates (up to 3 years unopened and 15 months opened)
Long shelf life for unopened bottles

PlasmaPURE Plus Optima Grade acids are manufactured with trace metal impurities less than 10 ppt and packaged in pre-leached Teflon bottles for ultra-low level analysis by ICP or ICPMS below 1ppb.

Complete with a Certificate of Analysis with lot number, expiry date, and maximum specification for over 60 analytes
Complete documentation for audit purposes

Packaged in Class 10 clean room conditions
Supplied in preleached Teflon® bottles for optimum quality

Available in sizes from 250 ml to 2 liters
Flexibility: Buy only what is required.
Save money with larger volumes

Description	Assay	250 ml	500 ml	1 L	2L
Acetic Acid	>99% CH ₃ COOH	250-036-101	250-036-103	250-036-105	-
Ammonia Solution	20 – 22% NH ₃	250-036-107	250-036-109	250-036-111	-
Hydrochloric Acid	32 – 35% HCl	250-036-113	250-036-115	250-036-117	250-036-119
Hydrofluoric Acid	47 – 51% HF	250-036-121	250-036-123	250-036-125	250-036-127
Hydrogen Peroxide	30-32% H ₂ O ₂	-	250-036-145	-	-
Nitric Acid	67 – 69% HNO ₃	250-036-129	250-036-131	250-036-133	250-036-135
Sulphuric Acid	93 – 98 H ₂ SO ₄	250-036-137	250-036-139	250-036-141	250-036-143
PlasmaPURE Plus Dispenser	-	250-036-501			



ALSO AVAILABLE

DigiPREP HT

For total Kjeldahl Nitrogen (TKN), ROHs

... and more



MultiVIEW

A new category of automated microwave digestion



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SCP SCIENCE - PROVIDING INNOVATIVE SOLUTIONS TO ANALYTICAL CHEMISTS

SCP SCIENCE manufactures and distributes analytical equipment, reagents, and certified reference materials for the inorganic analytical laboratories market. Founded in 1980, **SCP SCIENCE** is a successful, privately owned manufacturer and distributor of analytical equipment, supplies, reagents, and certified reference materials for the inorganic analytical laboratories market. The company manufactures supply items including digestion systems, certified reference materials such as calibration and quality-control standards, and specialized glassware for the atomic spectroscopy market.

The headquarters of **SCP SCIENCE** are located in Montreal, Quebec, Canada. The company maintains additional facilities in Canada, USA, France, Germany, UK and India.

CORPORATE HEADQUARTERS	CANADA / USA	FRANCE	GERMANY	UK	INDIA
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