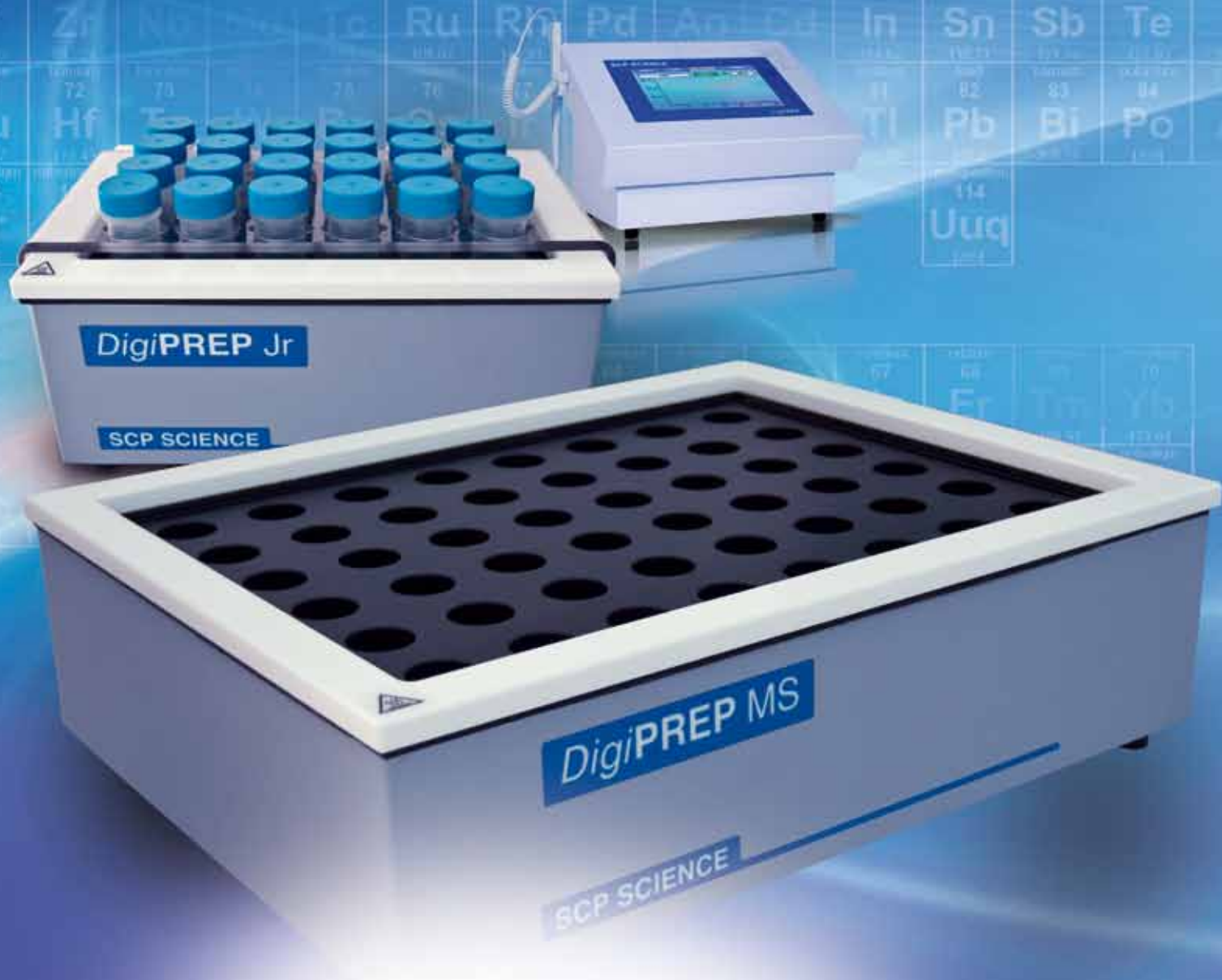


# DigiPREP

Sample Preparation Made Easy



**SCP SCIENCE**

Providing Innovative Solutions to Analytical Chemists

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# Quality Assurance

SCP SCIENCE



## ISO 9001 CERTIFIED

**SCP SCIENCE** is certified by Intertek, an internationally recognized Registrar, to the latest 2008 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 **DigPREP** systems and accessories. Remember that all 9001 registered companies may seem alike until you compare the scope of their certification.

## APPLICATION NOTES

A family of **DigPREP** application notes covering a wide range of categories (environmental, food, mining, petroleum etc) is available. They describe acid digestion of samples in an open vessel environment for metals analysis by AA, GFAA, ICP and ICP-MS. These application notes are used as a first step to create your personal sample digestion methods.

Here is a sample of available Application Notes:

- Digestion of SS-1 Soil CRM Samples following USEPA Method 3050b
- Digestion of Animal Feed Samples following the AOAC 957.02 (a) Method
- Digestion of Dried Epoxy Paint Chips

If you have any questions regarding these application notes, please visit us online via [www.scpscience.com/library/](http://www.scpscience.com/library/) and submit your request or connect your local Sales Representative / Distributor.



# Sample Preparation

## CONTROLLERS

### KEYPAD CONTROLLER

**CATALOG NUMBER: 010-500-220**

For *DigiPREP LS\**, *DigiPREP MS\**, *DigiPREP Jr\**.

Inputting operating parameters is made easy with the KeyPad controller. Features include:



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*

### COLOR TOUCH SCREEN CONTROLLER WITH USB PORT

**CATALOG NUMBER: 010-500-275**

For *DigiPREP LS\**, *DigiPREP MS\**, *DigiPREP Jr\**.

The Touch Screen controller includes all of the Keypad controller features plus a lot more...

Users may program and save 12 different multi-step methods with the controller. In each method, users may input three "Time-to-Temperature" and three "Time-at-Temperature" parameters. Other features include: timer and shut-off option; as well as operating language options in English, French, Japanese, Chinese, Korean, German, Italian, Spanish and Dutch. The controller is CE/UL/CSA approved to comply with major electrical and safety standards.

The USB port is conveniently located at the back of the controller and enables users to save detailed reports for laboratory audits. The reports are saved onto a USB stick and include the following data: date and time of the sample run, instrument serial number, temperature log in 15 second intervals and safety messages. The controller is perfect for quality control, research and method development.



\* Systems require the use of Keypad or Touch Screen controller.

Store up to 12 methods	Each method offers 6 programmable steps of: <ul style="list-style-type: none"> <li>3 Time-to-Temperature</li> <li>3 Time-at-Temperature</li> </ul>	View a graphical representation of the heating profile in real-time identify what step you're at in your method	Includes built-in Safety Messages and calibration parameters. Protect and increase the precision of the controller	Select from 10 languages English, French, German, Dutch, Italian, Portuguese, Spanish, Japanese, Chinese, Korean.
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# Sample Preparation

## BLOCKS

DigiPREP LS



## DigiPREP BLOCKS

TUBE VOLUME	# TUBE CAPACITY / CATALOG NUMBER			
	DigiPREP LS	DigiPREP MS	DigiPREP Jr.	DigiPREP MINI
15 ml	-	108 / 010-515-210	40 / 010-515-205	25 / 010-510-515 (115 V) 25 / 010-510-235 (230 V)
50 ml	72 / 010-500-210	48 / 010-500-205	24 / 010-505-205	9 / 010-510-010 (115 V)
100 ml	42 / 010-501-250	30 / 010-501-230	12 / 010-501-210	-

The **DigiPREP** series of block digestion systems offers the latest in graphite block technology in many different packages. Graphite blocks are PFA / FEP - coated to resist aggressive, corrosive attack for guaranteed long life in harsh laboratory environments. Their non-metallic construction ensures no corrosion or sample contamination from the instrument.

There is a **DigiPREP** system for every workload!





## START-UP KITS FOR *DigiPREP* SYSTEMS

INCLUDES	QUANTITY <i>DigiPREP</i> Jr.			QUANTITY <i>DigiPREP</i> MS			QUANTITY <i>DigiPREP</i> LS	
	15ml 010-515-040	50ml 010-505-066	100ml 010-501-215	15ml 010-515-108	50ml 010-500-067	100ml 010-501-235	50ml 010-500-069	100ml 010-501-255
RackLock <i>DigiTUBE</i> s	540	500	500	540	500	500	500	500
Disposable Watch Glasses	-	1000	1000	-	1000	1000	-	1000
24 Position RackLock Rack	1	1	1	2	2	1	3	1
Foam Storage Racks	-	5	5	-	5	5	10	5

# Accessories

## DigPROBE

**CATALOG NUMBER: 010-515-115** (for 15 ml *DigTUBEs*),  
**010-501-115** (for 50 ml *DigTUBEs*), **010-505-115** (for 100 ml  
*DigTUBEs*),

Why read from a thermometer then manually adjust the block temperature when the *DigPROBE* automatically does the job for you? The *DigPROBE* provides direct control and monitoring of actual sample temperature via a corrosion-resistant, PFA-coated temperature probe. Available for use with either 15 ml, 50 ml or 100 ml *DigTUBEs*.

## DigSET

**CATALOG NUMBER: 010-500-014**

(for 50 ml and 100 ml *DigTUBEs*)

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

## BENCH TOP FUME HOOD

**CATALOG NUMBER: 010-500-039\*\*** (for *DigPREP Jr* & *MS*)  
**010-500-059** (for *DigPREP LS*)

The *DigPREP* bench-top Fume Hood is the right choice for trace-metal digestions. Made from clear, acid resistant Lexan with a Corian base, the *DigPREP* Fume Hood eliminates the risk of trace-metal contamination from corroded fume hoods and other airborne contaminants. HEPA® filters ensure clean input air. The Fume Hood can be connected to an in-house laboratory exhaust system or used with the *DigNAC* blower unit (010-500-033) to provide air suction.

\*\*Also available in a taller size to accommodate an autosampler  
(Catalog number 010-500-049)

## DigNAC HOOD

**CATALOG NUMBER: 010-500-031**

Move digestions out of the fume hood and free up valuable space with the *DigVAC*. The *DigNAC* provides uniform evaporation rates across all samples - no sample will go dry while others are still evaporating. For use with the *DigPREP MS*.

## DigNAC BLOWER

**CATALOG NUMBER: 010-500-033**

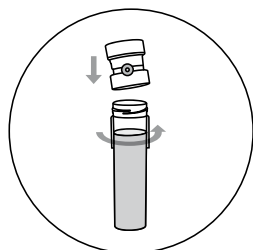
For use with *DigNAC* Hood and *DigPREP* Fume Hoods  
(Cat. No's. 010-500-039, 010-500-049 or 010-500-059).



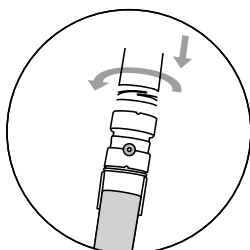
# Consumables



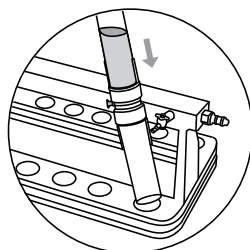
## DigFILTERs - FILTER PARTICULATES PRIOR TO SAMPLE ANALYSIS



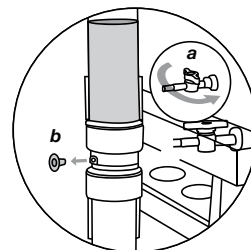
Screw the **DigFILTER** (using the end with the plug) onto a 50 ml **DigTUBE** containing a cooled sample.



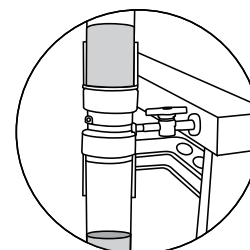
Screw a clean **DigTUBE** onto the opposite end of the **DigFILTER**.



Flip the tube-filter assembly over so that the tube containing the sample is now on top. Attach the assembly to the manifold, inserting the valve into the filter port.



Open the valve and remove the plug from the opposite port.



Turn on the vacuum pump and watch your sample filter.

DESCRIPTION	PACKAGING	QUANTITY	CATALOGUE NUMBER
<b>DigFILTER</b> - 0.45 micron, Teflon®	Bulk	100	010-500-070
<b>DigFILTER</b> 0.7 micron for TCLP	Bulk	100	010-500-082
<b>DigFILTER</b> - 1.0 micron, Teflon®	Bulk	100	010-500-080
<b>DigFILTER</b> Manifold -12 position	-	Each	010-500-230
<b>DigFILTER</b> Manifold - 4 position	-	Each	010-500-234

Visit us to view video online:

[www.scpsscience.com](http://www.scpsscience.com)



## DigTUBEs - THE CLEANEST DIGESTION TUBES ON THE MARKET

Single-use, all-in-one vessels eliminate the need for five separate vessels: Digestion beakers, volumetric flasks, graduated cylinders, autosampler tubes and storage containers. 15 ml, 50 ml and 100 ml **DigTUBEs** for sample digestion and standard auto samplers. **DigTUBEs** are ideal for sample evaporation.

### FEATURES:

- Transparent with easy-to-read graduations
- Accurate 50 or 100 ml graduation is calibrated to meet Class A specifications
- Leak-free screw cap
- RackLock design allows for easy one-handed closure of the screw cap
- Flat bottom for optimum heat transfer



## DigTUBEs AND WATCH GLASSES

DESCRIPTION	PACKAGING	QUANTITY	CATALOGUE NUMBER
15 ml <b>DigTUBEs</b> - w/ RackLock and blue caps	Bulk	1620	010-515-261
15 ml <b>DigTUBEs</b> - w/o RackLock and blue caps	Bulk	1620	010-515-263
50 ml <b>DigTUBEs</b> - w/ RackLock and blue caps*	Bulk	750	010-500-261
50 ml <b>DigTUBEs</b> - w/o RackLock and blue caps*	Bulk	750	010-500-263
Watch Glasses Polypropylene ribbed w/ "handle" for 50 ml tubes	Dispenser boxes	1000	010-500-081
100 ml <b>DigTUBEs</b> - w/ RackLock and blue caps	Bulk	300	010-501-261
100 ml <b>DigTUBEs</b> - w/o RackLock and blue caps	Bulk	300	010-501-263
Watch Glasses Polypropylene ribbed w/ "handle" for 100 ml tube	Dispenser boxes	500	010-501-081



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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, China and Brazil.

### ALSO AVAILABLE

#### DigPREP HT

For total Kjeldahl Nitrogen (TKN), ROHs

... and more



#### NOVAWAVE

A new category of automated microwave digestion



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