

# DIGIBLOCK SOLUTIONS IN SAMPLE PREPARATION



**LabTech**

WWW.LABTECHSRL.COM

## THE BEST CHOICE FOR SAMPLE DIGESTION

The DigiBlock digestion system provides clean, economical and efficient digestions.

The DigiBlock heating surface is made of graphite or aluminum alloy protected by PTFE coating and can accommodate as many as 54 graduated tubes and operates from room temperature up to 450°C. LabTech offers a complete range of DigiBlock digestion systems to fit any customer need. The DigiBlock complies with the highest international standards to perform EPA approved methods. The DigiBlock use low cost, disposable digestion tubes to speed up and simplify the digestion process. The LabTech PP digestion tubes contain no detectable background contaminants and do not require washing with acids prior the use. Different sizes and disposable tubes are available to meet any laboratory need.

- **Easy to use**
- **Performance**
- **Flexibility**
- **Safety and Control**
- **Productivity**



The LabTech front panel offers an unique and innovative tool to match the most demanding control needs throughout the entire sample digestion process.

The DigiBlock software provides a user-friendly control of the sample digestion process with automatic and real-time parameters.

## MAIN APPLICATIONS



Food and Feed



Environment



Pharmaceutical



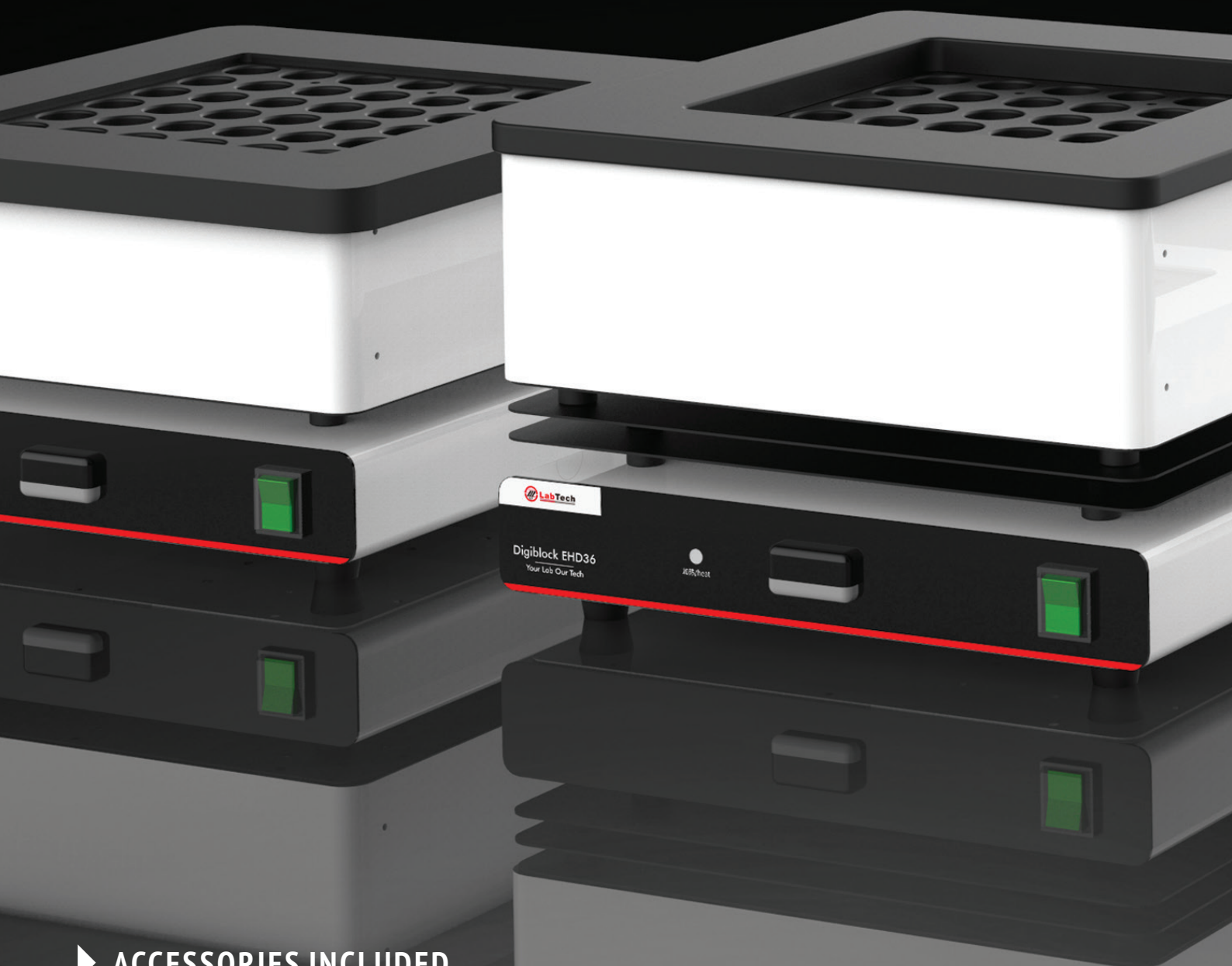
Biochemistry



Clinical



Paint chips



## ▶ ACCESSORIES INCLUDED

P/N	DESCRIPTION
ED36S and ED36S iTouch	Delivered with 2 PTFE coated SS Racks, 36 PP Vessels, 36 Capped Glass Vessels
EHD36S and EHD36S iTouch	Delivered with 2 SS Racks, 36 PP Vessels, 36 Capped Glass Vessels
ED54S and ED54S iTouch	Delivered with 3 PTFE coated SS Racks, 54 PP Vessels, 54 Capped Glass Vessels
ED16S and ED16S iTouch	Delivered with 1 SS Rack, 16 PP Vessels, 16 Capped Glass Vessels

## SOLUTIONS IN SAMPLE PREP

Sample preparation procedures take approximately 85% of the time associated with atomic spectroscopy analysis. Quality, easy of use and speed are key factors in today's analytical lab.

- **Higher throughput of samples**
- **Uniform temperature across the block**
- **Minimum radiant heat loss**
- **Contamination prevention**
- **Cost savings by disposable digestion tubes**

## THE BEST CHOICE FOR ORGANIC SAMPLE DIGESTION

Acid digestion of organic samples produces gaseous by products that affect closed digestion vessels.

Larger samples of several grams are needed in a variety of applications to have a more representative portion of large sample bulk or to compensate limitations in the sensitivity of analytical instruments.

The LabTech DigiBlock digestion line allows rapid open digestions up to 54 organic samples with dry weight of several grams each.

### iTOUCH VERSIONS

Include a practical controller (connected to the main unit via a 2-meter long cable) that can be mounted on any metallic surface (eg to the side of a fume hood) thanks to built-in magnets that allows to control the entire sample digestion process.

# TECHNICAL SPECIFICATIONS

## MODELS

	ED16S	ED36S	ED54S	EHD36S
Power (W)	1000	1400	3000	3000
Max temperature (°C)	210	210	240	450
Accuracy (°C)	± 0.2	± 0.2	± 1	± 1
Tubes N° (mL)	16 (100)	36 (50)	54 (50)	36 (50)
Heating block material	Aluminium Alloy PTFE Coated	Aluminium Alloy PTFE Coated	Graphite PTFE Coated	Graphite
Dimension (LxWxH cm)	39x28x19	42x42x19	52,5x40x29	54x45x20
Weight (Kg)	22	25	42	28
Power supply voltage	230V 50/60Hz			
Ordering information	LH7015	LH7016	LH7018	LH7017

## iTOUCH MODELS

	ED16S iTouch	ED36S iTouch	ED54S iTouch	EHD36S iTouch
Power (W)	1000	1400	3000	3000
Max temperature (°C)	210	210	240	450
Accuracy (°C)	± 0.2	± 0.2	± 1	± 1
Tubes N° (mL)	16 (100)	36 (50)	54 (50)	36 (50)
Heating block material	Aluminium Alloy PTFE Coated	Aluminium Alloy PTFE Coated	Graphite PTFE Coated	Graphite
Dimension (LxWxH cm)	39x31x19	42x44x19	54x43x29	54x48x20
Weight (Kg)	22	25	42	28
Power supply voltage	230V 50/60Hz			
Ordering information	LH7015/IT	LH7016/IT	LH7018/IT	LH7017/IT

## VESSELS

	GC-16	GC-36-L	GC-36-S	SC-36	TF-16	TF-36
Material	Glass	Glass	Glass	PP	PTFE	PTFE
Max temperature (°C)	450	450	450	130	210	210
Height (cm)	12	18	13	10.5	12	13.4
Diameter (cm)	4.2	3	3	3	4.2	3
Volume (mL)	100	50	50	50	100	50

## RACKS

	BKS-16	BKS-36	BKT-36S	BKT-54	BKP-36S	BKP-54S
Material	Stainless Steel	Stainless Steel	PTFE Coated	PTFE Coated	Polycarbonate	Polycarbonate
Dimension (LxWxH cm)	33x27x8	34x15x10	44x15x13	41x14x19	44x14.5x14	44x14.5x14
Diameter of holes (mm)	44	32	32	32	32	32
Positions	16	18	18	18	18	18

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LabTech is a leading manufacturing company with skill and passion devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern Italy, with facilities in USA and China. Incorporated with global branches, LabTech is organized into R&D, production, marketing & sales and customer support. Major LabTech products include organic/inorganic sample preparation systems, laboratory cooling/heating/temperature control equipments, analytical instruments, gas generators, laboratory centrifuges and liquid nitrogen generators. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments dedicated to the modern analytical laboratories. With all of these accomplishments and our endless research and development efforts, we are proud to be your professional partner.



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