

# DIGIBLOCK SOLUTIONS IN SAMPLE PREPARATION



**LabTech**

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# THE BEST CHOICE FOR SAMPLE DIGESTION

DigiBlock digestion system provides clean, economical and efficient digestions. DigiBlock heating surface is made of graphite or stainless steel protected by PTFE coating, 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. DigiBlock complies with the highest international standards to perform EPA approved methods. DigiBlock use low cost, disposable digestion tubes to speed up and simplify the digestion process. LabTech PP digestion tubes contain no detectable background contaminants and do not require washing with acids prior to use. Different sizes disposable tubes are available to meet any laboratory needs.

- » **Easy of use**
- » **Performance**
- » **Flexibility**
- » **Safety and Control**
- » **Productivity**



LabTech touch color terminal offers a unique and innovative tool to match the most demanding control needs throughout the entire sample digestion process.

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

## DIGIBLOCK APPLICATIONS



Food and Feed



Environmental



Pharmaceutical



Biochemistry

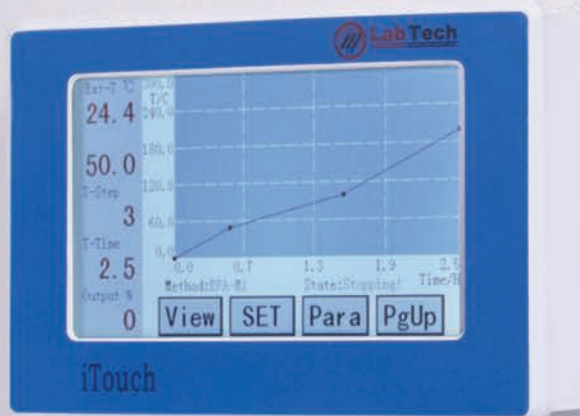


Clinical



Paint chips

DigiBlock



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Hot Surface



Alarm





## **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 reduction**
- » **Cost savings by disposable digestion tube**

## **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 instrument.

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

## TECHNICAL SPECIFICATIONS

### ACCESSORIES

	GC-16	GC-36-L	GC-36-S	SC-36	TF-16	TF-36
Material	Glass	Glass	Glass	PP	PTFE	PTFE
Max Temperature	450°C	450°C	450°C	130°C	130°C	210°C
High	120mm	180mm	120mm	105mm	125mm	125mm
Diameter	42mm	30mm	30mm	30mm	42mm	30mm
Volume	100ml	50ml	50ml	50ml	100ml	50ml

### RACKS

	BKS-16	BKS-36	BKT-36S	BKT-54	BKP-36S	BKP-54S
Material	Stainles steel	Stainles steel	PTFE Coated	PTFE Coated	Polycarbonate	PTFE
Dimension (mm)	330x270x80	340x150x100	440x150x130	410x140x190	440x145x140	410x140x190
Diameter of holes	44mm	32mm	32mm	32mm	32mm	32mm
Quantity of holes	16	18	18	18	18	18

### SPECIFICATIONS

	ED16S	ED36S	ED54S	EHD36S
Power	1000 Watts	1400 Watts	3000 Watts	3000 Watts
Max Temperature	210°C	210°C	240°C	450°C
Accuracy	± 0.2°C	± 0.2°C	± 1°C	± 1°C
Tubes N°	16 (100ml)	36 (50ml)	54 (50ml)	36 (50ml)
Heating Block Material	Aluminium alloy PTFE coated	Aluminium alloy PTFE coated	Graphite PTFE coated	Graphite PTFE coated
Dimension (mm)	390x380x190	420x420x190	536x398x290	538x442x198
Weight	22	23	42	35

# LabTech

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The solution to your laboratory needs. LabTech is a young manufacturing company with skill and passion, devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern of Italy with facilities in USA and China. Incorporated with global branches, LabTech is organized with 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, laboratory information management system and laboratory design and engineering. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments. With all these accomplishments and our never stopping efforts on research and development, we are proud of being one of few providers able to produce the most advanced sample preparation products.



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