

# 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



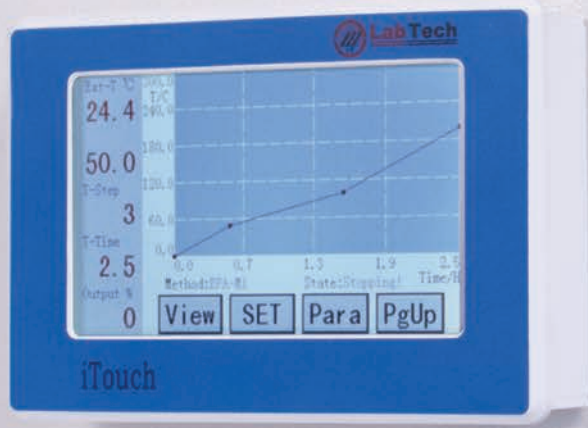
Clinical



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    | PFTE  | PFTE  |
| 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 | PFTE        |
| 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<br>PTFE coated | Aluminium alloy<br>PTFE coated | Graphite<br>PTFE coated | Graphite<br>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, northen 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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