

DIGIBLOCK SOLUTIONS IN SAMPLE PREPARATION

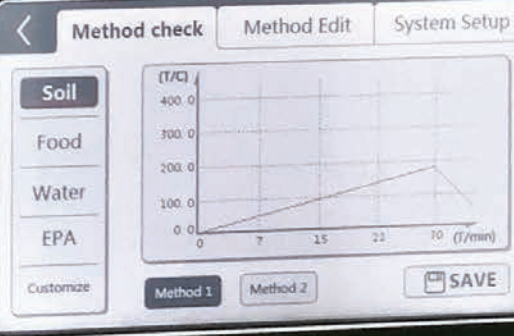



 **LabTech**

Digiblock ED54S
Your Lab Our Tech

HEAT

 **LabTech**



 iTouch

LabTech

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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



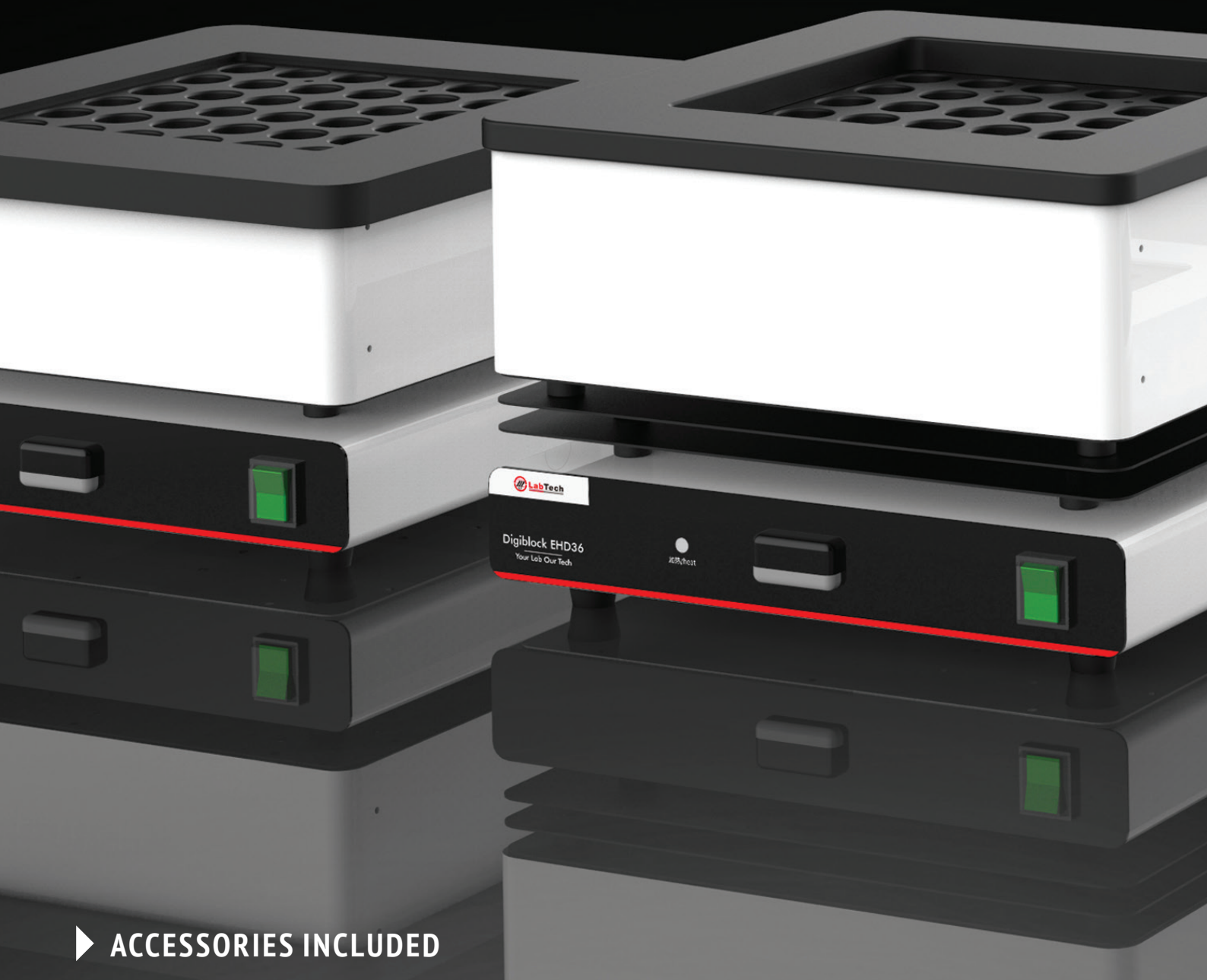
Biochemistry



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 | Graphite PTFE Coated | Graphite PTFE Coated | Graphite PTFE Coated | Graphite PTFE Coated |
| Dimension (LxWxH cm) | 39x28x19 | 42x42x19 | 54x40x29 | 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 PTFE Coated |
| 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 | PTFE |
| Dimension (LxWxH cm) | 33x27x8 | 34x15x10 | 44x15x13 | 41x14x19 | 44x14.5x14 | 41x14x19 |
| Diameter of holes (mm) | 44 | 32 | 32 | 32 | 32 | 32 |
| Positions | 16 | 18 | 18 | 18 | 18 | 18 |

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LabTech, your reliable laboratory solution provider.

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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