

Accessories available for the laboratory

BANDELIN offers the right accessories for various applications in the laboratory.



Insert basket K 5 SC
stainless steel
260 × 110 × 40 mm, l × w × d
Mesh size 5 × 5 mm
Load capacity max. 5 kg
Code No. 302701

Available accessories for pathology

For various applications in pathology BANDELIN offers the right accessories.

Sample holder PH 255-1
for 1 box IB 18
Code No. 3519



Box IB 18
material: polypropylene
VPE = 5 pcs.
Code No. 3283



Sample holder PH 255-2
for 2 inset beakers SD 06
Code No. 3518

Inset beaker SD 06
material: glass, 600 ml
Innen Ø 84 mm, height 125 mm
with lid
Inserting without the black ring
Code No. 330



Sample holder PH 255-11
for 11 inset beakers SD 01.2
Code No. 3512

Inset beaker SD 01.2
VPE = 10 pcs. à 100 ml
material: glass, without spout
inner Ø 44 mm, height 80 mm
Code No. 3517



Sample holder PH-2W
for 2 x 24-well-plates
Code No. 3521

Detailed application examples in pathology for the SONOCOOL

Type	No.	Use	Method notes
Decalcification	PT-101	Examination of the decalcification process at a variable ultrasonic output in a subjective comparison (Test cuttability, microscopic assessment)	SONOCOOL 255, TR 3
Decalcification	PT-102	Checking the decalcification process with different ultrasound power and different decalcifying solution in objective comparison (contact radiography)	SONOCOOL 255, TR 3
Decalcification	PT-103	Results of the decalcification for osteosarcomas	SONOCOOL 255, TR 3
Decalcification	PT-104	Result of the biomolecular reprocessing of a bone preparation	SONOCOOL 255, TR 3
Decalcification	PT-105	Acceleration of the decalcification process of hard tooth tissue in the SONOCOOL ultrasonic bath	SONOCOOL 255, TR 3

SONOCOOL
Ultrasonic bath with cooling for use in
analytical laboratories and pathologies



The SONOCOOL ultrasound device is the best option for all instances in which temperature constancy in the ultrasonic bath is required, e.g. for quality control in the pharmaceutical industry, in the food and beverages industry, and also in pathology. Its scope of functions focuses on the essentials: Ultrasound intensity – Sonication time – Temperature. Extensive accessories expand the possibilities for use. With the bath it is possible to use the catalytic effect of ultrasound for processes during which simultaneous cooling is required. Heat-sensitive samples are protected by the cooling function and process sequences can be designed to be faster and more effective than customary procedures.



Welded tank (stainless steel 1.4404)

Type	Internal tank dimensions l × w × d [mm]	Capacity [l]	External dimensions l × w × h [mm]	Ultrasonic peak power* [W]	Ultrasonic nominal power [W]	Cooling power [W]
SONOCOOL	280 × 150 × 150	6,3	360 × 605 × 385	720	180	200

*corresponds to 4-times nominal power



Control panel of SONOCOOL ultrasonic bath

Advantages of the SONOCOOL SC 255.2

- Compact and powerful – ultrasound and cooling in one device
- Air-cooled cooling unit
- Climate-friendly refrigerant R-290
- Dissipation of the process heat caused by the ultrasound
- Adjustable bath temperature: 4 to 40 °C at 20 °C room temperature
- Individual parameter variation (time, temperature, performance) and thus adaptation to the respective test specimen
- Long lifespan – welded tank 1.4404, material thickness 2 mm
- Monitoring of the fill level
- Glass lid: Sample observation, easy cleaning

Examples for applications in laboratory

- (constant temperature conditions required)
- Sample preparation for subsequent analysis, e.g. determination of chemical and biological agents (especially chromium [VI] analytics)
 - Dissolve solids in solvents and degas eluents

Advantage: Temperature-sensitive materials are not destroyed/attacked.



Ready-to-use laboratory set:

- Ultrasonic bath SC 255.2
- Insert basket K 5 C
- Lid D 255 G
- 1 bottle TICKOPUR TR 3 (concentrate for producing contact liquid)

Code No.

3500032 – 230 V EU plug CEE 7/7
3500032-GB – 230 V GB-plug BS 1363
3500032-CH– 230 V CH-plug T 12 Typ J

Examples for applications in pathology

- Acceleration of decalcification of femoral head preparations, shin stem preparations and osteosarcomas
- Acceleration of decalcification of hard tooth tissue for histopathological processing

Advantages: Significant reduction of decalcification times without negatively affecting the quality of the specimen and improvement of the cutting quality.

Ready-to-use pathology set:

- Ultrasonic bath SC 255.2
- Sample holder PH 255-11
- Lid D 255 G
- Insert beaker SD 01.2 – 20 pcs.
- 1 bottle TICKOPUR TR 3

Code No.

3500031 – 230 V-EU plug CEE 7/7
3500031-GB – 230 V-GB plug BS 1363
3500031-CH – 230 V-CH plug T 12 Typ J

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