

Ultrasonic Decalcifying Automate USE 33

Take advantage of the fast, efficient and competitive **USE 33** decalcifying automate with its unique ultrasonic technology.



Increase image

Key product features

- Worldwide only ultrasonic instrument for decalcifying
- Up to 75% time saving
- Ideal preservation of the morphology and antigenity

Product specifications

The unique technology of the ultrasonic decalcifying automate **USE 33** offers the rapid destruction of crystalline structures like calcium phosphate, magnesium phosphate and calcium carbonate.

In combination with adequate solutions it provides maximum cell tissue preservation.

All diffusion processes are significantly accelerated by the **USE 33**. The advantage: decalcification, fixation and intermediate rinsing solutions work much faster.

Benchmark: save up to 75% decalcification time for bone marrow biopsies and cartilage of nose and ear and up to 40 to 60% for corticalis tissue.

The additional feature of cooling the tissue samples at a temperature of +17° C avoids the warming up of the specimens resulting from the chemical reaction with the decalcifying solution. This guarantees 100% preservation of the morphological structures and the antigenity of the samples.

There are no artefacts from shrinking or swelling and all consecutive histological and immuno-histochemical methods can be applied to these samples.

Medite[®] provides, as accessories for the **USE 33**, multiple sample container inserts. Depending on the sample size the user can choose from inserts including 4, 9 or 49 sample containers with different volumes (see details below). In every batch up to 49 sample containers, able to carry multiple samples, can be processed simultaneously.

We also recommend our chemicals for the perfect use of our **USE 33**. Carefully matched components in these solutions enable the best possible decalcifying results (see details below).

Technical data

Process timer:

adjustable from 1 min. to 100 h

Week program timer:

by the programmable timer, for every weekday three automatic start and end times can be chosen, so that three individual programs per day can be stored

Output:

200 W ultrasonic power

200 W refrigerating power

Bath volume:

13.5 l carrier fluid

Total dimensions (W / D / H):

450 x 600 x 350 mm

Temperature control:

electronic controller with digital display

Temperature range:

+ 16° C to 28° C

Weight:

28 kg

Power supply:

115-230 V / 50/60 Hz / 400 VA

Accessories: sample container inserts*

*Accessories to be ordered separately!

Insert	No. of Sample Containers	Sample Container Size	Volume Container/Sample
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No. 1 4	Ø = 93 mm, height = 110 mm	container volume: 800 ml, recommended sample size: up to 250 cc
No. 2 9	Ø = 51 mm, height = 85 mm	container volume: 150 ml, recommended sample size: up to 30 cc
No.3 49	Ø = 25 mm, height = 40 mm	container volume: 20 ml, recommended sample size: up to 5 cc

[Product information US USE 33 2009.pdf](#)



369 K

download detailed product information

Complementary products

Decalcifying solution:

USEDECALC[®] : plastic tank of 5 L

USERAPID[®] : plastic tank of 5 L

Fixing solution:

USEFIX[®] : plastic tank of 5 L



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