

TST 44

Programmable Slide Stainer



- *Highest capacity in routine stains*
- *Maximum flexibility with up to 12 parallel operating staining programs*
- *Large number of bath stations with very low consumption*
- *Continuous loading principle*
- *Enhanced Reagent Management System ensures high sample quality*

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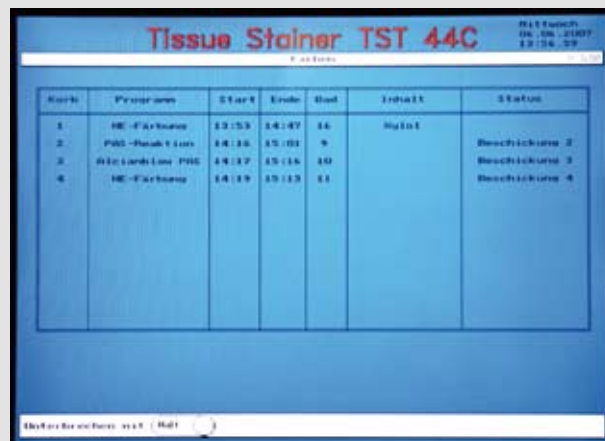
The programmable continuous slide stainer **TST 44** with **up to 12 parallel operating staining programs** is an "assembly-line worker" for routine staining protocols frequently needed in histology and cytology laboratories.

Its unique **Reagent Management System (RMS)** ensures high quality samples and helps reducing consumption and costs.

The outstanding features of the **TST 44** result in a high capacity of up to 500 slides per hour and considerably decrease the time needed for this routine work in the laboratory. Its again increased number of reagent stations in combination with a continuous working principle provides a high throughput. Up to 12 baskets with 30 slides each can be processed at the same time following identical or different staining protocols.

There are four loading and four unloading stations available as start and exit baths providing fully automatic performance of the staining procedures without the need to interfere. The slide stainer can store up to 20 staining protocols with up to 40 program steps. Up to 12 parallel operating programs can be run simultaneously.

The extraction device with integrated charcoal filter and connection to an external ventilation system avoids the emission of solvent fumes and provides an optimum protection of the user's health. The water saving feature is a contribution to energy saving and environment protection.



Display

The large display facilitates programming, application and supervision of all procedures.

All relevant data for the current process are listed in the plot line. By pressing the status key and choosing a basket, the whole staining program appears on the screen. Consequently the user can easily check the status of the staining procedures at a glance.

The easy to follow user's guide enables efficient programming of the procedures and offers simple access to archived data.

Great variety of models

The high performing continuous slide stainer for modern histology and cytology labs merges flexibility with high speeds for optimal efficiency in routine stains. The following models are available in our range:

- TST 44.000** standard model
- TST 44.200** with drying chamber
- TST 44.000 C** with transfer station
- TST 44.200 C** with drying chamber and transfer station
- TST 44.000 CK** with modification kit for transfer station
- TST 44.200 CK** with drying chamber and modification kit for transfer station



Transport head

The soft running transport head with the patented drip tray moves fast in X, Y and Z direction.

Liquid residues on the slides and the basket cannot contaminate the reagents as the small tray glides automatically under the basket as soon as it is lifted from the bath and before it is transported to the next station. A filter card in the tray absorbs the liquids thus preventing an overflowing of the tray.

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Technical Data:

Max. number of staining protocols:	20 / 12 parallel operating staining programs
Max. number of program steps:	40
Free choice for every step:	station, time (from 1 sec. to 59 min.)
Drip collection:	adjustable drain time combined with a patented drip collection technology avoids carryover of solvents drain time 0 to 9 sec.
Compatible to all coverslipping machines in the market	
Number of stations:	44
including:	4 loading stations 4 unloading stations, including 1 transfer station 6 water stations for running water
optional:	2 drying stations (temperature adjustable from +40° C to +90° C) 4 water stations 30 staining stations with agitation
Contents of solvent containers:	360 ml, can be reduced to 260 ml
Dimensions (W/D/H):	1,210 x 670 x 640 mm
Weight:	115 kg
Power supply:	100-230 V / 50/60 Hz / 100 VA

We recommend using our staining solutions for the **TST 44**:



Medite® offers a great variety of **staining solutions** in economical packing sizes for you.

Our staining solutions are tested and optimized for clinical routine. Please ask us for your individual solution, we will gladly provide you with a suggestion.

International patents: DE 196 05 977, DE 41 17 833, EP 0586 494, EP 0886 780, US 5,601,650, US 09/101,663, AU 667404, AU 707769, JP 3 415 604, JP 9-528887

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