Contrast Booster™

New breathing control device to improve the quality of pulmonary CT

World First

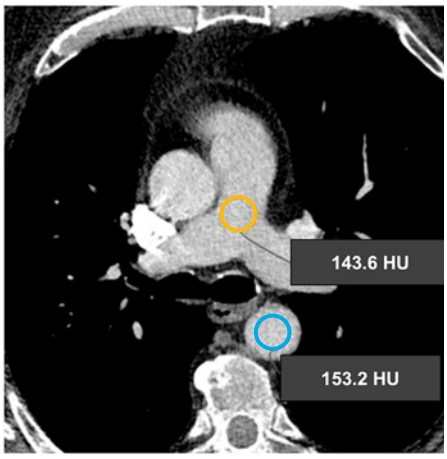
reddot award winner

ulrich medical

dedicated to you.

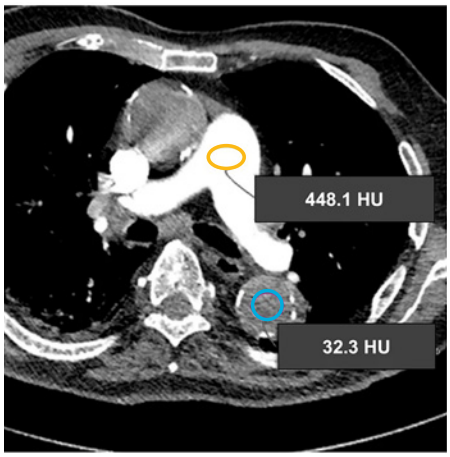
Have you ever experienced the problem of insufficient contrast in pulmonary CT?

Without Contrast Booster
(end-inspiratory breath-hold command)*



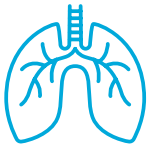
– Insufficient contrast in the pulmonary trunk
– No reliable diagnosis or exclusion of pulmonary embolism possible

With Contrast Booster (Mueller maneuver)*



– Increase of contrast density in target vessels*
– Increase of diagnostic significance*
– Reduction of miscontrasting*

We present the Contrast Booster



Supports a guided, controlled suction maneuver (Mueller maneuver)
→ Optimized CT imaging quality*
→ The rate of fully diagnosable image quality is 89.6 %*

Increase of contrast density in target vessels and increase the diagnostic significance
→ Incorrect contrasts are reduced*

Elimination of inflow of uncontrasted blood from Vena cava inferior and transient interruption of contrast (TIC phenomenon)*
→ Reduction of insufficient contrast in the target vessels*

Enables a constant, reproduceable breathing position
→ Ensuring consistent, comparable CT imaging quality during diagnostic check-ups*
→ Reduction of false-positive and/or false-negative diagnostics*

* von Muenchhausen, Janssen, Overhoff, Rink, Geurts, Gutzeit, Prokop, Schoenberg & Froelich. „Influence of device-assisted suction against resistance (Mueller maneuver) on image quality in CTPA for suspected lung embolism"; a study executed by UMM Mannheim, DE; European Radiology, 2023

All study results can be found here:

Ready for use in no time

Set-up and function of the Contrast Booster

Patient Interface Unit
- Light weight
- Easy to hold with mouth without using hands
- Short charging time (less than 2 min)

LED-indication
Display of the suction intensity of the patient

Charge and Communication Unit
- Charge and Communication Unit for Patient Interface Unit
- Mirrored LED-indication on Patient Interface Unit for radiographers

Disposable Mouth Piece
Change per patient

Technical data

Charge and Communication Unit and Patient Interface Unit

Product classification according to Regulation (EU) 2017/745	I
Dimensions (L × W × H)	134 × 126 × 149 mm (Charge and Communication Unit with Patient Interface Unit)
Weight	Weight approx. 560 g (including weight of Patient Interface Unit 60 g and weight of Disposable Mouth Piece 5 g)
Electrical connection	100-240 V AC, 50/60 Hz
Max. power consumption (nominal value) in operation (at 230 V)	7,5 W
Power supply Charge and Communication Unit input	5 V DC
Charging time of the Patient Interface Unit	Max. 2 minutes

Disposable Mouth Piece

Duration of use	Per patient

The country-specific availability of articles must be taken into consideration

ulrich GmbH & Co. KG
Buchbrunnenweg 12
89081 Ulm, Germany
T+49 731 9654-0
injectors@ulrichmedical.com
www.ulrichmedical.com

ulrich medical France SAS
10, Allée Aristide Maillol
31770 Colomiers, France
T +33 5 34 50 91 02
info@ulrichmedical.fr
www.ulrichmedical.fr

ulrich medical España S.L.
Calle Arboleda 14, Núm. AR038
28031 Madrid, España
T +34 910 194870
info@ulrichmedical.es
www.ulrichmedical.es

Supporting member of the German Society for Hospital Hygiene (Deutsche Gesellschaft für Krankenhaushygiene e.V.)

CT 5101011 R2/2025-03 Subject to technical changes, misprints and errors.