



VATHiN



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[www.vathin.com](http://www.vathin.com)  
[marketing@vathin.com](mailto:marketing@vathin.com)

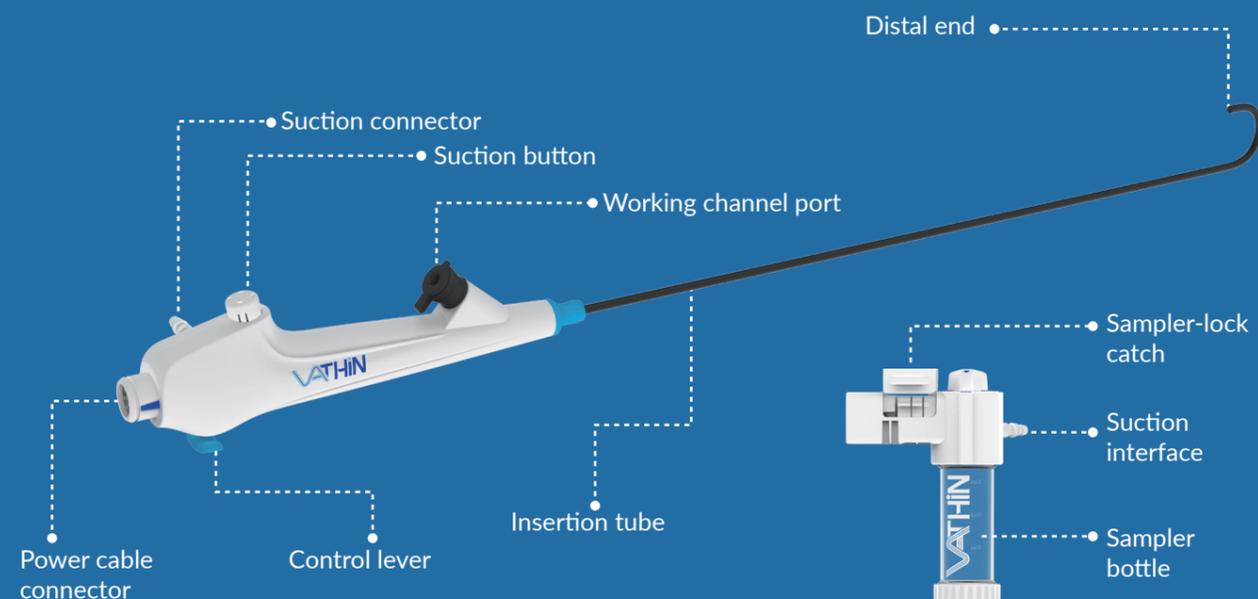
1st floor, Building 12 , No.9, West Chuanqi Road, Jiuhua  
Economic and Technological Development Zone, Xiangtan  
411100, China



Single-use  
**Flexible Bronchoscope**  
EleBALScope Series

## Dedicated BAL solution for ICU

Vathin EleBAL Scope series are specially designed for ICU and ER scenarios and target the clinical needs for safe sampling, ease-of-use and higher clinical performance.



**Higher Level Suction Performance**

**90%** larger working channel than conventional designs in the same outer diameter.

Just like the Elephant's trunk, Vathin BALScope Series feature efficient suction and reach, with powerful aspiration and collection capability.

## Product Features



### Unique Large Channel Design

Larger channel, enhanced suction power and better clinical outcomes.



### Upgraded Visualization

720x1080 camera lens & full HD monitor.



### Available Sizes

4.5/5.0mm OD scopes and 50ml sampler.



### Close-loop BAL Sampling System

Eliminate sample loss and contamination.



### Eco-friendly Design

Re-usable power cable, designed with the environment in mind.



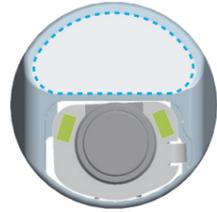
### Single-use System

Single-use. Accessible. Sterile. No risk of cross-contamination.

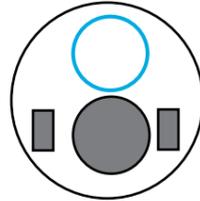
## Optimize Your BAL Efficiency

Vathin EleBAL Scope series features an optimized large working channel that enhances suction power, accommodating to day-to-day demand for timeliness and clinical outcome.

### Vathin EleBAL Scope Working Channel Design



### Conventional design



OD	4.5mm	5.0mm	5.8mm
Working channel	8.6 Fr	10.2 Fr	8.6 Fr
Working channel area	4.19 mm <sup>2</sup>	6.26 mm <sup>2</sup>	5.31 mm <sup>2</sup>

**LARGER** working channel, **SMALLER** outer-diameter  
**ENHANCED** patient treatment experience

#### Options for 8.6/10.2Fr working channel

Lung infections are common in ICU patients, especially those on mechanical ventilation or with compromised immune systems. **Large-channel suction** is critical for clearing thick secretions (mucus or phlegm) that can block airways. Effective management with suctioning and BAL, alongside other treatments, can improve the patient's recovery prospects.

#### Options for 4.5/5.0mm OD with enhanced suction

Selecting the thinnest possible bronchoscope is crucial for minimizing airway resistance, especially in ICU patients who require long-term endotracheal tube placement. A thinner bronchoscope with equivalent suction power can efficiently perform BAL procedures while leaving more space within the tube, maintaining better airflow.

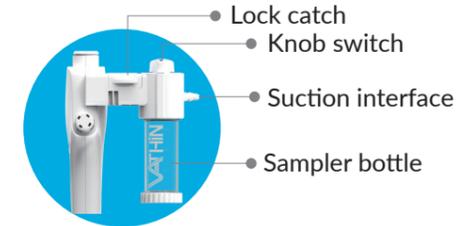
## Clinical Benefits

### Special Channel Design

- Beneficial in handling difficult secretion cases.
- Improves specimens yield which is crucial for diagnosing various lung conditions, such as infections, interstitial lung diseases, and malignancies.
- Significantly enhances BAL efficiency and the overall workflow. Reduces loss time.
- Offers better options for BALscope OD and thus enhances patients' experiences.

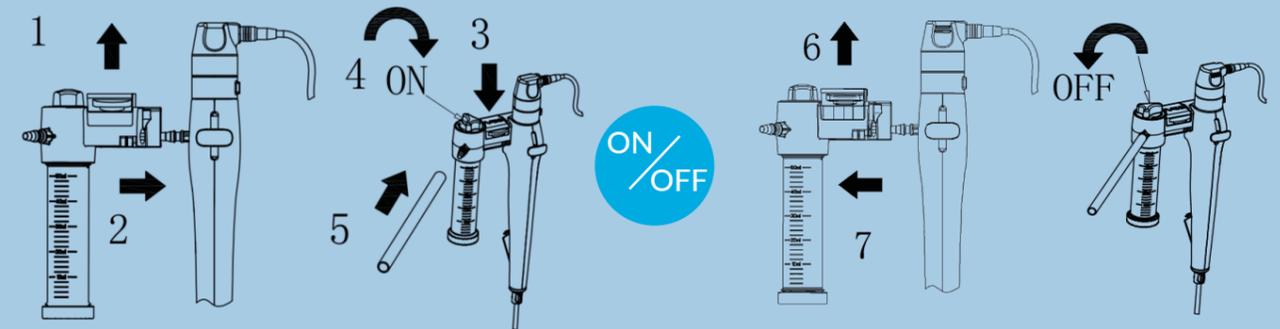
## Secure Your Sampling Procedure

Vathin EleBAL Scope series integrates a closed-loop sampler that essentially changes the sampling workflow, from sample exposure steps to fully sealed sampling procedure.



In a fully closed-loop mode, Suction & Collection can be simply alternated by the Knob Switch on the sampler.

### Streamlined Installation and Sampling by Vathin BAL Sampler



## Clinical Benefits

### Close-loop Sampler

- Eliminates sample loss and contamination
- Improves sample quality and yield
- Reduces staff exposure to specimen
- Single-use sampler set. Ready to go when it's needed



## Specification

### EleBAL Scope Series



OD:4.5mm  
ID:8.6fr

OD:5.0mm  
ID:10.2fr

BAL Small

BAL Normal

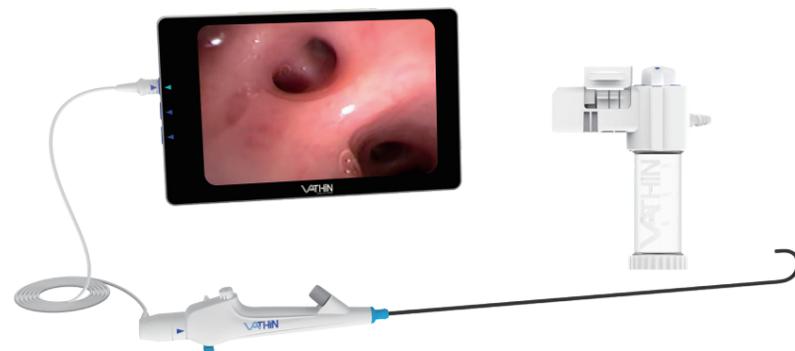
Name	BAL Small	BAL Normal
Model	BC-E1C10	BC-E1E10
Insertion Tube OD	4.5 mm	5.0 mm
Working channel	8.6 Fr	10.2 Fr
Bending Section	U180°/D150°	
Working Length	600mm	
Field of view	110°±15%	
Resolution	720x1080 plx	
ETT compatibility	≥5.5mm	≥6.0mm
DLT compatibility	≥35Fr	≥40Fr

### BAL Sampler



Model	S-30mL	S-50mL
Volume	30mL	50mL

## Display Unit



Vathin BALScope series are compatible with Vathin DVM-D display unit with full HD imaging.

## HD Imaging System



Digital scope connector  
1280x720,1920x1080p30

Analog scope connector  
400x400,200x200;720x720

Model	DVM-D
Display resolution	1920*1080 (full HD 60Hz)
Display Type	15.6" FHD Color TFT-LCD
Dimension WxHxT	382 mmx 238mm x 44.5mm
Weight	3 kg
Storage Capacity	64GB

- ✓ High definition imaging system.
- ✓ Large screen for easier visualization.
- ✓ Simultaneous Dual-Scope Display option.
- ✓ Ideal clinical observation.

