

ilucid®

PRODUCT CATALOGUE

DISPOSABLE MICROTOME BLADES



ilucid®
www.atongbaitech.com

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Seeing Biopsy Life

ETYMOLOGY OF THE WORD ROOT

The English term biopsy, meaning the examination of living tissue, derives from Ancient Greek. It is composed of *bíos* (life, living) and *ōpsis* (sight, seeing).

The word biopsy was first coined in 1879 in a medical forum by Ernest Besnier, a French dermatologist.

ABOUT US

Since 1990

Shanghai Tongbai Technology Co, It is a Chinese microtome blades manufacturer, The microtome blades meets the needs of top laboratories. The microtome blades manufacturing techniques inherited the European technology in the 1990s, and have been undated and innovated in China in the past ten years.

Through continuous innovation, we pioneered the cutting edge grinding angle and composite coating technology using calculus formulas, and the blades integrated with multiple processes based on materials science and mechanics. The slices cut out to meet the professional standard of microscopic morphological analysis under the microscope of pathologists.

We launched the ilucid series microtome blades in 2017. it has good cutting force and stability, higher cost performance.

In the past 10 years, our products have been gaining momentum in the global market, and our blades have won trust and loyalty from our clients all over the world.



Market Development Performance

Focusing on the manufacturing of microtome blades, Ilucid microtome blades have been used in large quantities daily in nearly 20 domestic top-tier and university hospital pathology laboratories, and the performance of ILucid microtome blades continues to be recognized by professional users.

It took us 9 years to successfully develop Ilucid microtome blades, and we have been selling it internationally for the past 7 years with customers from Europe, America, Asia, Africa and Latin America.

Due to the high capacity load of the source supply chain, Ilucid blades Manufacturing is and will be able to meet the high demands of the global users in the future.



OUR MISSION

We aim to become a manufacturer and supplier of medical laboratory technology solutions, focusing on pathological laboratory diagnostics.

OUR VISION

We are a hub of the most professional services. Our customers and partners whole-heartily recommend us. Balab is a well-established brand. High business growth.

OUR VALUES

We advocate continuous innovation.

Curiosity stimulates us to continuously learn and extend our competencies. Fairness, professionalism and reliability are our code of conduct.

We are aware of our responsibility towards our environment and the society Eco.

**Set Sail Back in The 1990s
Lay Dormant for Two Decades.
Nearly A Decade of Deep Rooted R&D
FOCUSED ON ONE BLADE**



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■ Microtome Blades low Profile

CR75

Blade Material: 6cr13 stainless steel belt

Blade Size: 80×8×0.25(mm)

Blade Point Angle: 35°

Advantage:

1. Suitable for thin cutting of tissue with uniform density.
2. Under the same conditions, the slice thickness is thinner.



■ Microtome Blades High Profile

CW75

Blade Material: 6cr13 stainless steel belt

Blade Size: 80×14×0.32(mm)

Blade Point Angle: 35°

Advantage:

1. Suitable for hard tissue
2. Matching knife holder on all microtomes.



■ Trimming Knife

CT130

Blade Material: 6cr13 stainless steel belt

Blade Size: 130*18*0.25(mm)

Advantage:

The ILUCID Trimming Knife is a specialized, disposable stainless steel laboratory blade designed for cutting and sectioning biological organs and hard tissues in pathological work.



■ Cut Resistant Glove

S, M, L

Cut Resistant Glove (Small Medium Large)

Constructed with high strength para aramid fiber and 13 gauge seamless knitting technology, it delivers superior wear resistance and cut protection performance. Cut Resistant Gloves are sure to boost both safety and productivity. The glove is machine washable.



PRECISION ILUCID MICROTOME BLADES

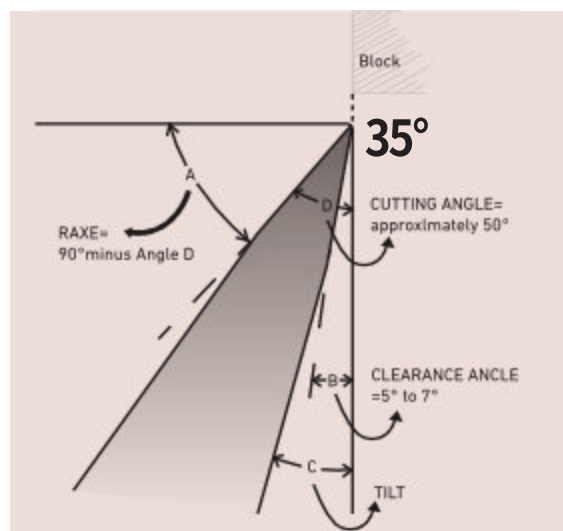
Ilucid microtome blades durability and consistency are very important.

Positive customer reviews on the ilucid microtome blades include blade longevity, ease of starting and maintaining ribbons, low compression, section consistency from

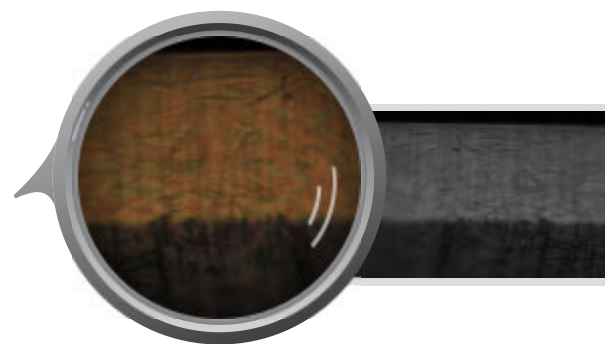
one cut to the next, consistency of cutting from blade to blade.

Microtome blades are machined to produce an edge and tip geometry that have proven over a time to result in good cutting performance. A coating is imparted on the steel blade to improved the cutting performance.

Edge sharpeners is actually the degree to which a cutting blade can be machined to a precise & distinct point. This point must be maintained in a straight line across the full length of the blade edge.

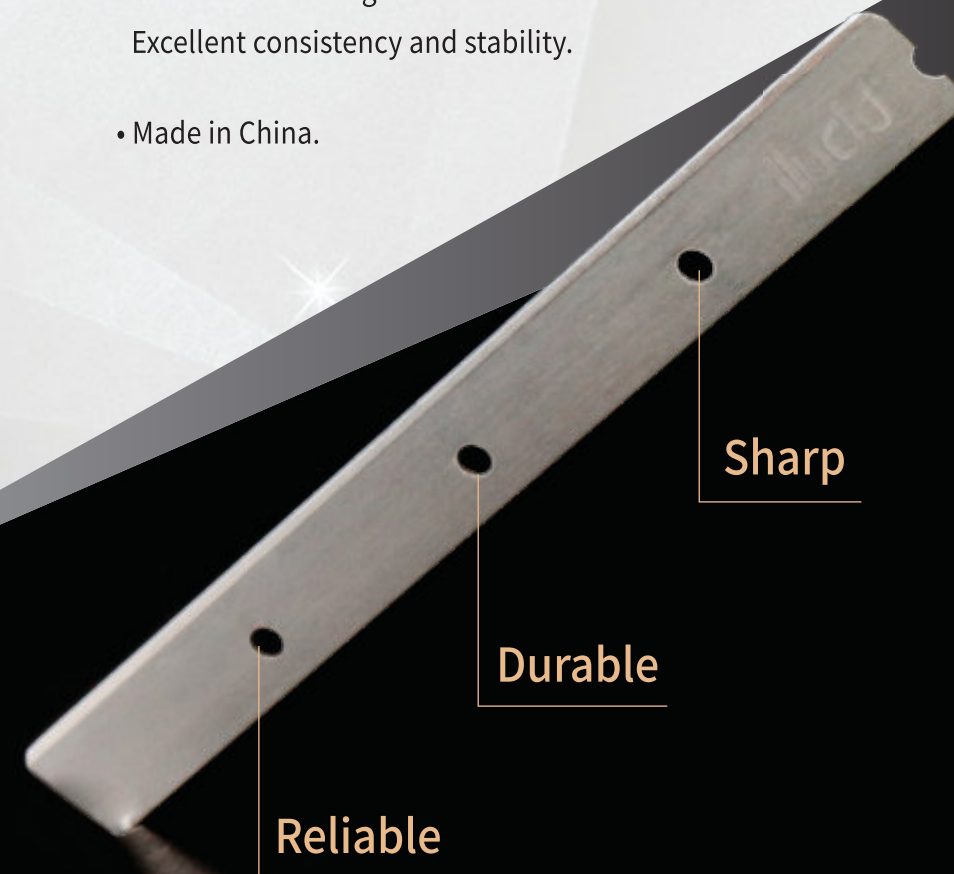


The knife edge is magnified 1000 times under a high-power electron microscope.



SPECIFICATIONS

- Three-faceted cutting edge for optimal sharpness.
- Coated with a teflon technology formula, stable thickness to improve the life of the blade and smoothness over multiple cuts.
- Ideal for sectioning of both hard and soft tissue. Excellent consistency and stability.
- Made in China.



Attention To The Initial Blade Test

1 Proper adjustment of the microtome holder angle is very important

For Lecia microtome, recommended knife holder angle 5~6 degrees, Deviation of 5~6 degrees. not suitable for testing, please adjust to 5~6 degrees.



Attention!

2 Ensure the hardness of the wax block

Increasing the freezing time of wax blocks can improve durability by at least 30%.

3 Initial testing with slow hand cranking helps the machine adapt to the new blades.

Pay attention please!

If the section has slight wrinkles during initial testing, it is normal, keep testing and make following adjustments to adapt the machine to the blade edge angle.

Don't frequently switch back to the regular blade!

1. Increase the section thickness by 0.5-1 micrometer;
2. Or to adjust the blade holder angle increase by 0.5-1 degree.

The field application performance summary

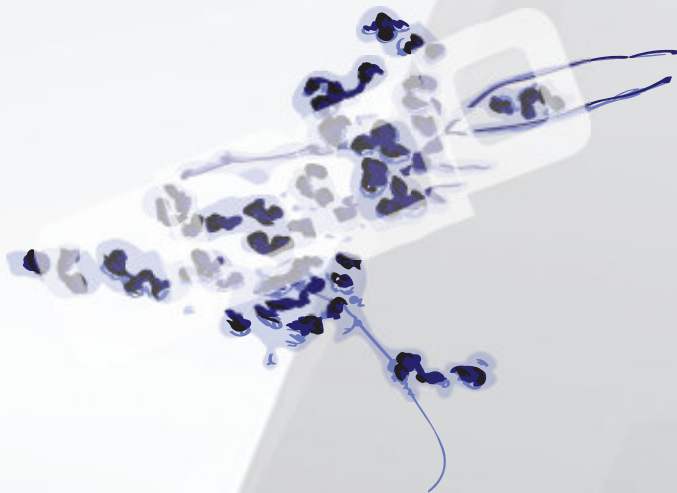
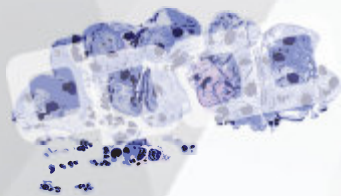
The microtome blades for pathological slicers developed and produced by Shanghai Tongbai Health Technology Co., Ltd. The blades are used in the pathology laboratory of Shanghai Top Hospital and are summarized as follows:



Number of test microtome blades:
1000,000 blades.

Products	Microtome blades
Observation under a microscope	One level
Sharpness	Excellent, sliced flat, ribbons
Durability	Excellent, one knife can cut 50-80 regular wax blocks.
Knife hold angle	5~6 degrees (for Lecia microtome)

Conclusion: It meets the daily use requirements of the blade.



上海交通大学医学院附属瑞金医院
Ruijin Hospital, Shanghai Jiaotong University School Of Medicine

Recommendation Letter

The microtome blades (low profile blades and high profile blades) produced by Shanghai Tongbai Healthcare Technology Co., Ltd. are sold under its own brand iLucid brand.

Our histology lab has been continuously purchasing microtome blades from Shanghai Tongbai Healthcare Technology Co., Ltd. for several year now. There have been 1925boxes of their blades already used in our daily microtomy since July,2020.with an average of 55 boxes per month. We have always been satisfied with their quality, deliveries and technical support. With so wide range of suppliers and brands of microtome blades available on the market, we remain the customer of Shanghai Tongbai Healthcare Technology Co., Ltd. Their iLucid brand of microtome blades has the benefit of good cutting properties, they provide fast deliveries and quick response to any request from our side. Immunohistochemistry, immunostaining, tissue sectioning is a very important part of our daily operations, and we appreciate that we can rely on the iLucid blades produced by Tongbai Company's factory in terms of their customer service.

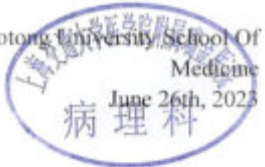
Shanghai Tongbai Healthcare Technology Co., Ltd. always has good quality and excellent customer service. They persistently work on maintaining and increasing their functional features, their iLucid brand microtome blades of are on the quality level of the world-famous international brands, having an advantage of flexibility and better response timing as regards their customer service. We highly estimate that we continuously receive paraffin tissue cuts with 1 μm + thickness by using Tongbai's iLucid microtome blades.

Regards

Chaofu Wang

Director : Chaofu Wang

Pathological Labtoratory of Ruijin Hospital, Shanghai Jiaotong University School Of Medicine



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CERTIFICATE

- CE
- FDA
- ISO 13485
- ISO 9001
- NATORIAL



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**Do you
want to be
a part of
OUR GLOBAL
DISTRIBUTION
NETWORK?**



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