

LH35	REF	Volume
	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Availability</p> <p>PSO-ACF2052U-0050</p>	<p>50 pcs.</p>
	<p>PSO-ACF2052U-0100</p>	<p>100 pcs.</p>

Intended use

This low profile hard tissue microtome blade is intended for use in histology and pathology laboratories for the precise sectioning of hard or dense tissue specimens with increased durability. It is designed for compatibility with standard rotary microtomes that accept low profile blades. The blade's optimized edge geometry and hardened stainless steel construction ensure consistent, high quality sections with minimal compression or artifact, supporting accurate microscopic analysis in clinical and research settings.

Average number of slices per blade with 3 micron is 30 slices.

Hard Tissue examples:

- Bone (e.g., osteosarcoma, metastatic carcinoma)
- Teeth (e.g., odontogenic tumors, dental pathology)
- Calcified Cartilage (e.g., osteoarthritis studies)
- Calcified Arteries (e.g., atherosclerotic plaques)
- Tumor Microcalcifications (e.g., breast cancer IHC analysis)

Specification

Compatibility: Low Profile

Coating: Plasma

Material: High Alloyed Stainless Steel

Edge angle: 35°

Dimensions: 80x8x0.25 mm

Color: Imperial Blue

Packaging: 50pcs/box

Principle of Method

Place the microtome blade in the appropriate microtome holder. It is important to adjust the angle of the blade as necessary to obtain the best histological cut. Test different angles, from 3° to 8°, to find the ideal position for your application.

1. If the blade is not inserted directly into the blade holder, the blade dispenser must be held in one hand to remove a blade.
2. To push out the blade, slowly push the blade slide all the way to the left until it stops.
3. The blade must then be held by the other hand and removed from the blade dispenser.
4. Insert the blade into the blade holder.
5. If the cut result remains unsatisfactory after verifying instrument-specific and cut-related parameters, the blade should be adjusted or replaced.

Materials Provided

Hard Tissue Microtome Blade (LH35)

Materials Required but not Provided

Knife Holder

Storage and Stability

Transport temperature/Storage humidity range:

1. Transport temperature: -10 °C to +50 °C
2. Storage humidity: < 80 % non-condensing

Operating temperature range:

1. Blade dispenser: +15 °C to +40 °C
2. Blade: -40 °C to +40 °C

Warnings and Precautions

Microtome blades are extremely sharp and can cause serious injury if handled improperly. Never touch the blade edge directly. Dispose of used blades in a designated sharps container and keep them out of reach of unauthorized personnel.







Before use, inspect the blade dispenser for damage. Do not use if compromised; contact PathoSage technical support or your local distributor. If the blade fails to eject smoothly, do not force it. Cease use immediately and contact the PathoSage technical team or your local distributor for assistance. When sectioning infectious, replace the blade with each specimen to prevent contamination or cross-transmission.

General Limitations

1. After being used to cut infectious, blades belong in the cut-resistant waste container provided for this purpose (not in the waste blade box on the bottom of the blade dispenser).
2. Blades that have not come in contact with infectious can be disposed of into the waste blade box through the hole on the bottom of the blade dispenser.
3. The holding capacity of the waste blade box is sufficient if all blades, without residues of section waste, are fed into the hole flat.

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Keep dry		Protect from direct sunlight	REF	Reference number
	Temperature limit		Warning	LOT	Lot number
	Edge angle		Expiration date		