TECHNICAL DATA SHEET

ALab™ TI470 Blue Light Transilluminator

Blue Light Transilluminator · max emission 470nm · observation area L210×W120mm



ALab™ TI470 Blue Light Transilluminator

The ALab™ TI470. Image shown for reference.

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Revision Date **10/24/2026**

SECTION I

Product Overview

The ALab™ TI470 blue LED transilluminator is a high-quality blue light transmission device, widely used for the observation of nucleic acid and protein gel staining.

A blue LED light source with an amber filter cover, used with nucleic acid-safe dyes with an excitation wavelength of 450~495nm, achieves gel viewing and cutting without protective light filtering goggles. Observation area L210×W120mm; max emission wavelength 470nm; LED lifetime >50,000h.

SECTION II

Core Advantages

- **Light** — bottom-emitting blue LED
- **Filter** — rotating amber cover
- **LED lifetime** — >50,000h
- **Emission** — max 470nm
- **Intensity** — adjustable, memorized
- **Auto shutdown** — 5min

SECTION III

Specifications

Technical data — TI470

Specifications	
Brand	ALab™ by ACS Material
Model	TI470
SKU #	ALTI4700
Product Type	Blue light transilluminator (blue LED)
Observation area	L210×W120mm
LED source	Bottom built-in LED light module
Max emission wavelength	470nm
LED lifetime	>50,000h
Auto shutdown time	5min
Power adapter	12V 1A
Power supply	AC100~230V; 50/60Hz
Dimensions (L×W×H)	265mm×195mm×30mm
Weight	1kg

Product design — TI470

Product design	
Part	Function
Amber filter cover	Filters the intense blue light to only let emission light through
Intense blue LED	Lighting from the bottom makes the observation result more uniform and bright
Light intensity knob	Turn the knob to set the intensity of the blue light
Sturdy glass surface	The glass panel provides a clean and transparent surface for gels

SECTION IV

Applications

Observation of nucleic acid and protein gel staining and gel cutting; compatible with most safe fluorescent dyes, including SYBR Safe, SYBR Green I, SYBR Gold, Gelite Green, SYPRO Orange, GelGreen, Coomassie Fluor Orange stains and SYPRO Tangerine.

Product value: bottom light-emitting blue LED for even excitation with low background, a precise sealing structure, an adjustable and memorized light intensity, a multi-angle amber cover filter and no harmful UV rays.

Revision Date: 10/24/2026

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