

COLPOSCOPE 3X VARIABLE - MD500

The **Colposcope 3X Variable -MD500** is an equipment equipped with lenses that project the viewed image to operator with magnifications of 7, 14 and 25 times, suitable for a more thorough assessment and detection of microcarcinomas, cancerous or pre-cancerous lesions in the cervix, vagina and vulva, with purpose to enhance the diagnosis of observed alterations in gynecological clinical examinations or Pap Smears, proving comfort and quality to both, the professional and the patient. Manufactured in accordance with Brazilian regulations and required safety standards to ensure equipment compliance.

Colposcope Head: Constructed from aluminum and subsequently subjected to an Electrochemical anodization process for enhanced finish and aesthetics.

Illumination System: Responsible for illuminating the entire operating field within an 80mm diameter and capable of producing approximately 700 LUX of light intensity with the assistance of two lenses referred to as "Singletos", one with a diameter of 10mm and another with a diameter of 21mm. Located at the top of the Colposcope head, it allows for angle adjustment to achieve optimal positioning during equipment use.

Eyepieces: The Eyepieces of the Colposcope 3X Variable MD500 are designed to allow the operator to adjust ocular setting on both sides, ensuring excellent visual comfort. The Eyepieces feature two lenses that allow operator to view the produced images, one being a "Dubleto" with a diameter of 22.9mm and a "Singletos" with a diameter of 22.9mm

Drum Lenses: Integrated within the headpiece, it enables three different magnifications (7X - 14X - 25X), simply by rotating it and selecting the lenses crafted from BK7 material (Borosilicate Glass) to achieve the desired level of magnification. Three types of lenses are used in the process, all named "Dubleto", with a diameter of 16.9mm and a 150mm focus, along with a set of prisms located in the eyepiece assembly. The focal distance between the Colposcope and the patient is 300mm to provide a clear, sharp and high-quality image.

Colposcope Head Articulation: Facilitating focal adjustment, macro and micro adjustments via the rack and providing better handling, smoothness and precision during utilization.

Colposcope Head Structure:

Stainless Steel Pedestal: Allows complete removal of the Colposcopio head assembly, easily fitting into the Tubular Pedestal guided by a clamp and secured with a knob.

Tubular Pedestal: With electrostatic painting: Where the stainless steel pedestal is affixed, secured with a knob, allowing the equipment to be positioned at the desired height.

Base with Casters: Designed in accordance with INMETRO standards featuring a safety recess (preventing trapping), crafted from carbon steel and finished with electrostatic painting. Equipped with five casters for equipment mobility, three of which have locks and two without locks.

Optional Accessories:

Third Eyepiece (or trinocular): The trinocular output or third eyepiece can be utilized for a second observer or for attaching a high-definition camera for playback on televisions, monitors, computers and/or image capture systems.

Pantographic Arm: Providing the operator with increased mobility during equipment use, with articulation achieved through a spring that enables both vertical and horizontal movements.

Technical Information:

- Equipment Type - Binocular equipped with BK7 lenses with magnifications of 7X, 14X and 25X and lights, specifically for colposcopy examination.
- Automatic operating voltage selector: 127/220V. 50/60 Hz. Maximum power consumption (VA): 127V = 8,9 - 220V = 11.
- Fuses: (2 - T 500mA / Sem retardo)250V. LED Illumination (SMD): 18W 12Vdc.
- Color temperature: 6500K(cool white).
- Light filters: Green and Blue.
- Focal Distance (mm): 300. Micro-adjustment (mm):40.
- Field of view (mm): 18.

- Colposcope Head Rotation Angle: 360°
- Maximum Height (mm): 1200 | Minimum Height (mm): 800.
- Base Diameter (mm): 555.
- Approximate Net Weight of the Product: 7,6 kg.
- Approximate Gross Weight of the Product with Pack: 11 kg.
- 1-year warranty against manufacturing defects.

Configuration Options

- Colposcope 3X Variable with 3rd Eyepiece
- Colposcope 3X Variable with Pantographic Arm
- Colposcope 3X Variable with 3rd Eyepiece and Pantographic Arm

NOTE: WE DO NOT PERFORM "UPGRADES" ON EQUIPMENT AFTER THE PURCHASE OF THE CHOSEN VERSION, FUTURE MODIFICATIONS WILL NOT BE POSSIBLE. A NEW PURCHASE IS REQUIRED.

ANVISA Registration:81793010001

INMETRO Regulation:

Certificate N°: NCC 20.06201

ABNTNBR IEC 60601-1:2010 + Amendment 1:2016

ABNTNBR IEC 60601-1-2: 2017

ABNT NBR IEC 60601-1-6:2011 + Amendment 1: 2020

ABNTNBR IEC 60601-1-9:2014