

COLPOSCOPE 16X FIXED - MD500

The **Colposcope 16X Fixed - MD500** is a device equipped with lenses that project the viewed image to the operator with a 16 times magnification, suitable for a better assessment and detection of microcarcinomas, cancerous or pre-cancerous lesions in the cervix, vagina, and vulva. Its purpose is to enhance the diagnosis of observed alterations in gynecological clinical examinations or Pap smears, providing comfort and quality to both the professional and the patient. Manufactured according to Brazilian regulations and required safety standards to ensure equipment compliance.

Colposcope Head: Made of aluminum and subsequently subjected to an Electrochemical anodization process for improved finish and aesthetics.

Illumination System: Responsible for illuminating the entire operating field within a diameter of 40mm and capable of producing approximately 7000 LUX of light intensity with the assistance of two lenses called "Singletos," one with a diameter of 10mm and another with a diameter of 21mm. Located at the rear of the Colposcope head.

Eyepieces: The eyepieces of the Fixed 16X MD500 Colposcope are designed for the operator to perform ocular adjustments on both sides, ensuring excellent visual comfort. The eyepieces are accompanied by two 14mm diameter "Singlet" lenses at a focal distance of 300mm between the Colposcope and the patient, providing a clear, sharp, and high-quality image. All mentioned lenses are made of BK7 material (Borosilicate Glass), and their main advantage over other types lies mainly in their effectiveness for precise diagnosis, along with high resistance to heat and chemical elements.

Colposcopia Head Articulation: Enabling focal adjustment, macro and micro adjustments through the rack and offering improved handling, smoothness, and precision during use.

MD500 Colposcope Structure:

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

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

Base with casters: Designed according to INMETRO standards with safety recess (prevents trapping effect), made of carbon steel and finished with electrostatic painting (prevents trapping effect), made of carbon steel and finished with electrostatic painting. Equipped with five casters for equipment mobility, three with locks and two without locks.

Optional Accessories:

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

Pantographic Arm: Provides the operator with greater mobility during equipment use, with articulation achieved through a spring allowing both vertical and horizontal movements.

Technical Information:

- Equipment Type - Binocular equipped with 16X magnification BK7 lenses and lights, specifically for colposcopy examination.
- ANVISA Classification | Class I - Low Risk - With grounding protection on metallic parts.
- Automatic operating voltage selector: 127/220V. 50/60 Hz.
- Maximum power consumption (VA): 127V = 8,9 - 220V = 11.
- Fuses: (2 - T 500mA / No delay) 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 of the product: 6,6 kg.
- Approximate gross weight of the product with packaging: 10 kg.
- 1-year warranty against manufacturing defects.

Configuration Options:

- Colposcope 16X Fixed with 3rd Eyepiece.
- Colposcope 16X Fixed with Pantographic Arm.
- Colposcope 16X Fixed 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 No: NCC 20.06201

ABNT NBR IEC 60601-1:2010 + Amendment 1:2016

ABNT NBR IEC 60601-1-2: 2017

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

ABNT NBR IEC 60601-1-9:2014