



Uncover greater insights through
exceptional optics

Marketed in Collaboration with Accuvance LLP, New Delhi, India

Stereo Zoom

Microscope for
IVF & Embryo
Transplant


NUERTO



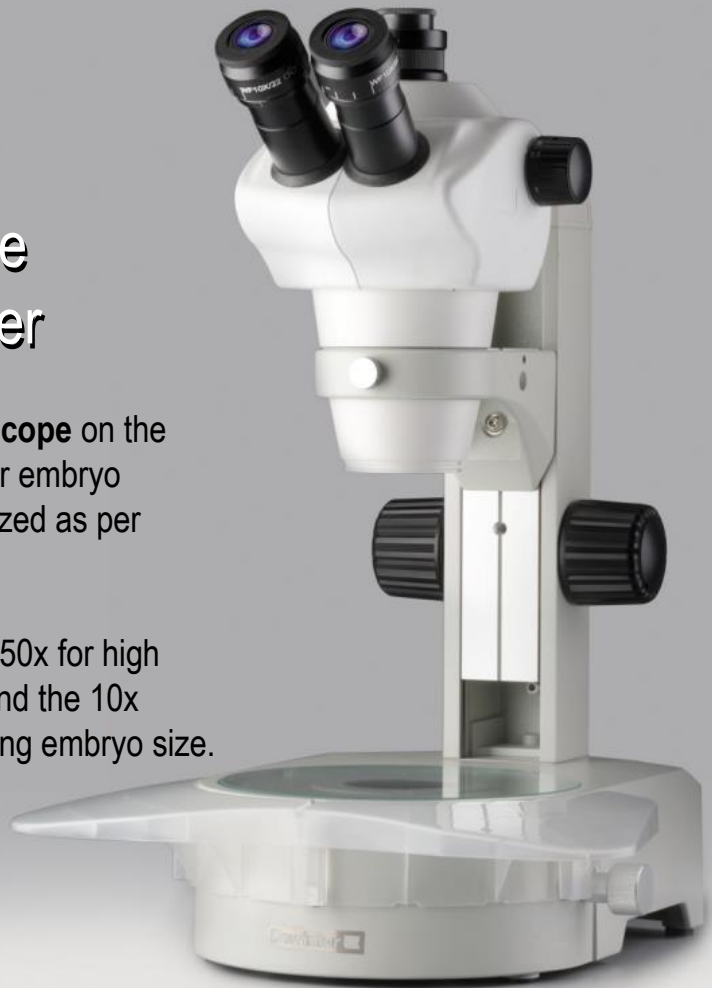
Marketed in collaboration with Accuvance LLP, New Delhi, INDIA for bovine IVF use

Stereo Zoom

Microscope for Bovine IVF & Embryo Transfer

The **Nuerto Zoom Star IVF Microscope** on the Embryo Base is the perfect choice for embryo transfer professionals and is customized as per Nuerto Bioresearch for Bovine IVF.

The Stereo Zoom magnifies from 8x-50x for high resolution 3-D viewing of embryos, and the 10x eyepieces include a reticle for checking embryo size.



Technical Specifications

Trinocular Observation Head

- Siedentopf Observation head inclined at 45° rotatable at 360°.
- Vertical phototube for micro photography.
- Diopter adjustment ring on both ocular tube (±5).
- Interpupillary distance from 57mm to 75mm.

Eyepiece (Anti fungus)

- Extra Wide field 10X (paired) F.O.V. 22mm.

Zooming Range & Ratio

- Zoom 0.8X to 5.0X with

Magnification ratio of 1:6:3

Magnification Range

- 8X to 50X

Working Distance

- 100mm can be extended to 26mm-287mm
With different eye piece & Auxiliary objective.

Mechanical Body

- Lateral zoom control movement.
- Clip for holding specimen.
- Integrated stand and base with built in condenser and adjustable reflecting mirror.

Illumination System

- Incident halogen lamp with adjustable brightness.
- Brightfield/ Darkfield transmitted light.
- Both lights are regulated with power supply and has separate brightness controls.

Standard Accessories

- Dust cover, Operating manual, guarantee card and Styrofoam molded pack.

Optical Accessories



Digital Camera Attachment



DIGI LED inbuilt Camera



Polarizer Analyzer Attachment



Circular LED Light



Eye piece Attachment

DIGI MINI

Digital Microscope
with 7" LCD tablet

The **Nuverto Mini** is an advanced fully functional, complete yet portable microscope customized for Artificial Insemination professionals for bovine frozen semen analysis for PTM (post thaw motility) under ideal semen viewing parameters and for help in microscopic field evaluation of blood samples, smear, skin, urine and fecal samples.



Rechargeable battery operated (Type C-Cable) with long battery back up for the field use

Features & Application

Ergonomic 7 inch IPS Display:

- 7 inch LCD digital microscope offers a wide, clear screen view
- Eliminates the need for external displays
- Ergonomic design protects cervical spine and eyes
- Significant improvement over traditional eyepieces

Effortless Management via WiFi & App:

- WiFi connectivity allows real-time viewing, zooming, and capturing of photos/videos
- Files are stored on both phone and SD card for easy sharing

- Compatible with Android and iOS devices

Double Layer Precision Table:

- Movable metal table with 1.0 mm table pitch
- Secure slide locking for precise X and Y axis manipulation
- Enables coordinate recording for detailed observations

Record Your Discoveries:

- Combines microscope and camera functions
- Captures 8MP photos and 1080P videos
- Record and share microscopic moments, like swimming paramecia, to create meaningful memories

Technical Specifications

Magnification

- Digital Zoom: 2x

Display

- Screen: 7" IPS LCD
- Resolution: 1024 x 600
- Adjustable Angle: 120°

Camera & Sensor

- Camera Type: CMOS 2.0MP
- Photo Resolution: Up to 8.0MP
- Video Resolution: 1920 x 1080p (Full HD)
- Sensor Size: 1/2.9" CMOS
- Pixel Size: 2.8 x 2.8 μm

Optics

- Nosepiece: 3-hole
- Objectives: Achromatic High Contrast – 10x, 20x, 100x

Stage

- Type: Double-layer mechanical stage
- Size: 95 x 105 mm
- Movement Range: 20 x 50 mm

Illumination

- Light Source: Upper & bottom LED
- Brightness: Adjustable

Focusing

- Type: Coarse focusing knob
- Focusing Range: 8 mm

Output & Connectivity

- HDMI Output: 1080p to TV
- USB Output: USB 2.0 to PC (Windows 10/11)
- Wireless: Wi-Fi connection to Android/iOS device

Controls

On-Stand Buttons:

- Photo/Video/Album/Menu
- Light switch
- Wi-Fi switch

Power Supply

- Adapter: DC 5V 2A (Type-C cable)
- Battery: Rechargeable
- Eco Mode: Auto power-off (1, 3, 5, 10 minutes, etc.)

Measurement Tools

- Built-in measuring scale for 4x, 10x, and 40x objectives

Additional Features

- Product Size: 31 x 19 x 18 cm
- Package: Portable bag with handle
- Dimensions: 20 x 23 x 27 cm
- Weight: 2 kg

Primax Primax Pro


NUVERTO


ACCUVANCE



**Binocular
Trinocular
Microscopes**

A compact size, easy operation, superior optical performance designed to handle high specimen throughput and hours of continuous use has made **Nuerto Primax** an outstanding choice.

The standard model is equipped with Siedentopf observation head incline at 30°, a large double plate stage, flat field S-Plan objectives, inward nosepiece, metal interchangeable anti-mold parts, anti-fungus treated objectives, eyepieces and observation tube.

Primax Pro comes loaded with infinity plan objectives, phase contrast, controlled heating stage, quintuple nosepiece and W.F. paired eyepieces F.O.V 20 mm, making it ideal for Bovine Semen analysis under dark field.



Technical Specifications

	Primax	Primax Pro
Trinocular Observation Head	Siedentopf Observation head inclined at 30°, rotatable at 360°, Diopter adjustment (± 5), IP distance 55-75mm, Binocular/Trinocular	Siedentopf Observation head inclined at 30°, rotatable at 360°, Diopter adjustment (± 5), IP distance 55-75mm, Trinocular
Eyepiece	Anti Fungus coated, Wide Field 10x 9paired) F.O.V 18 mm	Anti Fungus coated, Wide Field 10x 9paired) F.O.V 20 mm,
Objectives	Anti Fungus coated, S-Plan Achromatic 4X,10X,40X (S.L),100X Oil (S.L)	Anti fungus coated, IOS Plan Achromatic 4X,10X,40X (S.L),100X Oil (S.L)
Mechanical Body	Co-Axial focusing system. Pre-focusing Lever & Tension adjustment ring, Quadruple nosepiece revolving, Double plate mechanical stage 140 mm x 155mm	Co-Axial focusing system. Pre-focusing Lever & Tension adjustment ring, Quintuple nosepiece revolving, Double plate mechanical stage 140 mm x 155mm
Warm Stage	-	Controlled heating stage (optional)
Sub Stage condenser	Abbe Condenser N.A. 1.25 adjustable iris diaphragm	Abbe Condenser N.A. 1.25 adjustable iris diaphragm
Illumination System	Brightness control knob; built-in illumination system,3W LED	Brightness control knob; built-in illumination system,3W LED
Standard Accessories	Dust cover, operating manual, guarantee card, blue filter and Styrofoam molded pack	Dust cover, operating manual, guarantee card, blue filter and Styrofoam molded pack

Optional Accessories



Digital Camera Attachment



DIGI LED Inbuilt camera



Polarizer Analyzer attachment



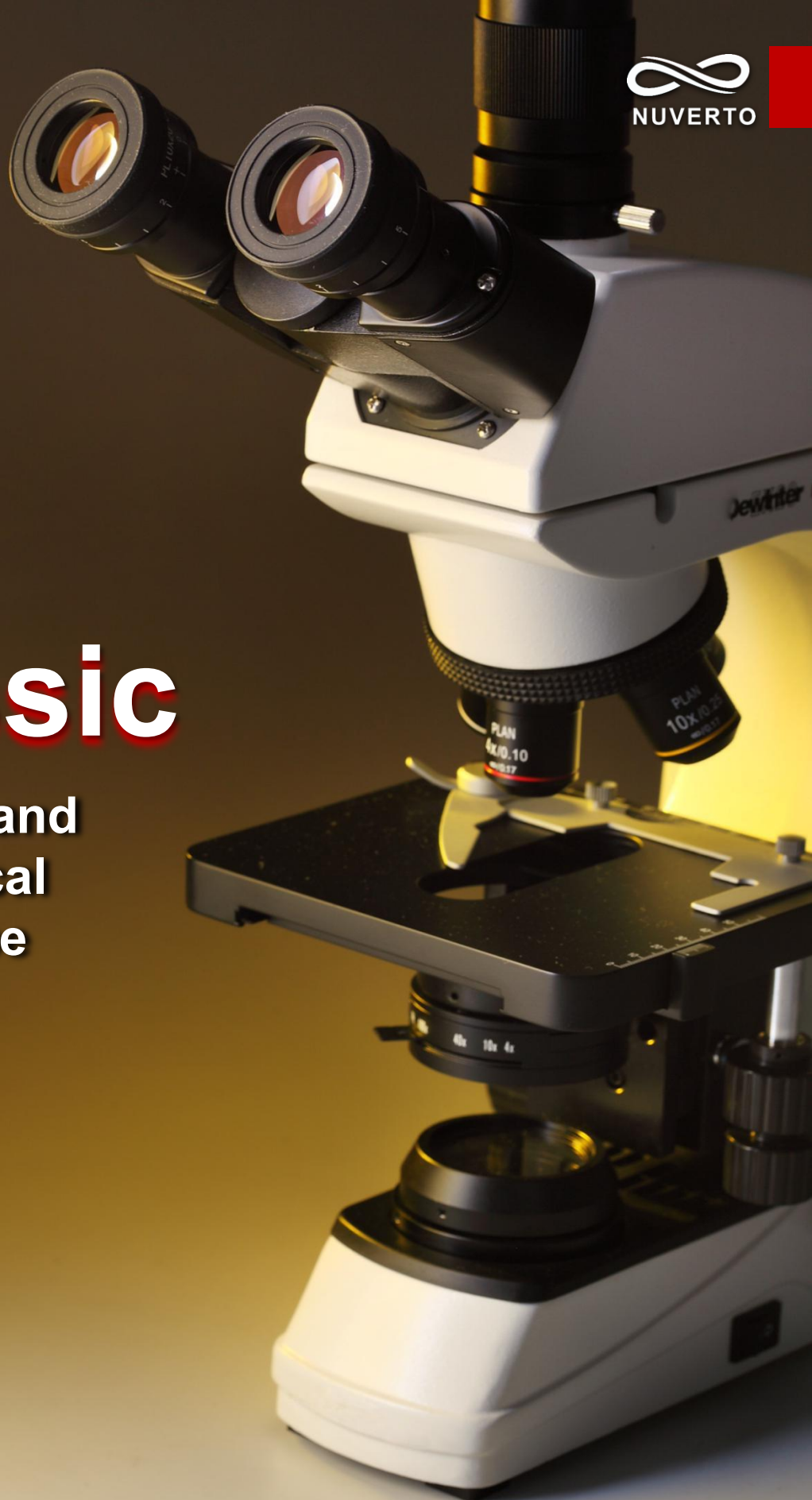
Dark Field attachment



Phase Contrast attachment

Classic

Research and
Pathological
Microscope



Classic

Compound Eye Illumination System, Lighting Ideal Light Path

Nuvero Classic is a high quality biological microscope, which is an ideal choice for basic research and analytical experiments. With infinity color correction optical system and excellent compound eye illumination system, Classic can get uniform illumination, clear and bright images at any magnification.

Classic is User-friendly and simple with convenient operation. Classic, as all Dewinter-Nuvero microscopes, maintains excellent reliability and durability, and is suitable for high-intensity use.



Various optional accessories, easy to achieve observation methods of bright field, phase contrast, simple polarization, dark field and others.

Bright Field Observation

The compound eye illumination system is equipped with professional plan achromatic objectives and has bright imaging. It can be used to observe cell structures and analyze plant slices.

Phase Contrast Observation

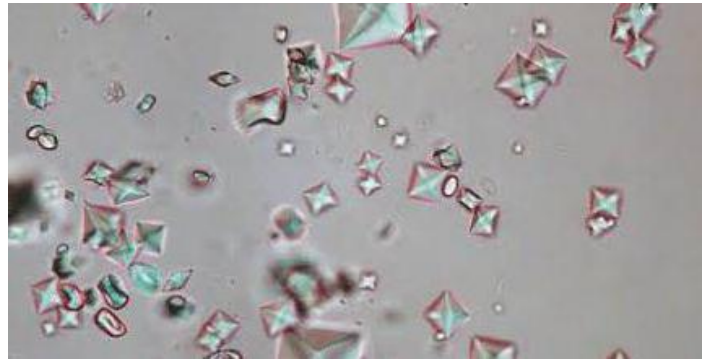
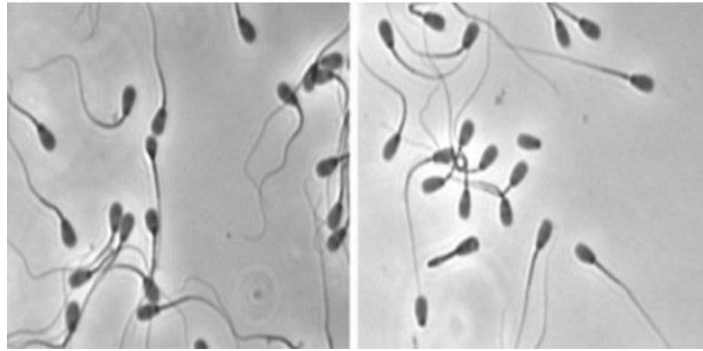
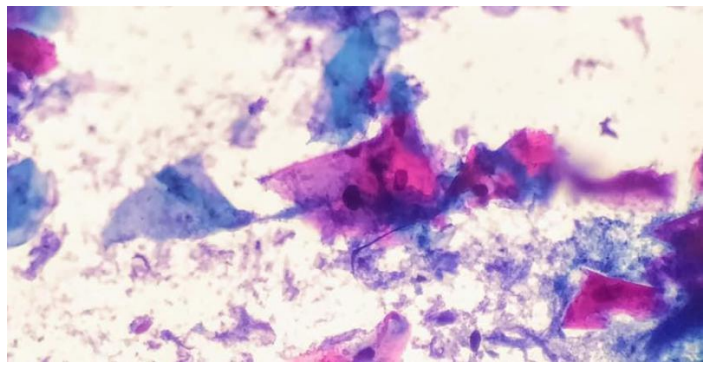
It is applicable to observe the specimens with high transparency, such as sperm cells, cells, bacteria and other small transparent objects in biological specimens.

Simple Polarization Observation

It can judge substances with birefringence characteristic such as animals, plant cells and humoral crystals.

Dark Field Observation

There is no need to replace the special dark field condenser, as long as the dark field accessories are inserted into the condenser and the diaphragm is switched



- 1) Bright field
- 2) Phase contrast
- 3) Polarization
- 4) Dark field



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Classic Technical Specifications

Trinocular Observation Head	<ul style="list-style-type: none"> Siedentopf Observation head inclined at 30° rotatable 360° Vertical focusable phototube for Digital Camera Diopter adjustable ring on ocular tube (± 5) Interpupillary distance from 48mm to 75mm
Eyepiece (Anti fungus Coated)	<ul style="list-style-type: none"> Extra wide field 10X (paired) F.O.V. 25mm
Objectives (Anti Mold and Anti fungus coated)	<ul style="list-style-type: none"> IOS Plan Achromatic 4X IOS Plan Achromatic 10X IOS Plan Achromatic 20X IOS Plan Achromatic 40X (S.L.) IOS Plan Achromatic 100X Oil (S.L.)
Mechanical Body	<ul style="list-style-type: none"> Co-Axial focusing system. PRE-FOCUSING LEVER AND TENSION ADJUSTMENT RING Reverse angle Quintuple nosepiece revolves on ball bearing, Slot for polarizer Double plate mechanical stage 216 mm x 150 mm having low position co-axial controls
Heat Stage	<ul style="list-style-type: none"> Warm stage - temperature controlled with display (Optional)
Phase Contrast	<ul style="list-style-type: none"> Complete Phase contrast attachments compatible (Optional)
Sub Stage Condenser	<ul style="list-style-type: none"> Abbe Condenser N.A. 1.25 with adjustable iris diaphragm
Illumination System	<ul style="list-style-type: none"> Brightness control knob; Kohler illumination system with 3W LED
Standard Accessories	<ul style="list-style-type: none"> Dust cover, operating manual, warranty card, blue filter and Styrofoam molded pack



Optimax

Advanced
Research
Microscope



Optimax

Optimax is a high quality biological microscope, which is an ideal choice for advanced research and analysis. With high-end features Optimax is excellent for high quality clear and bright images at any magnification.

Higher F.O.V, larger mechanical stage, infinite corrected objectives, DIC compatibility and Phase contrast makes it reliable for analyzing cells, semen, bacteria and other transparent objects in biological specimens.



Optimax Technical Specifications

Trinocular Observation Head	<ul style="list-style-type: none">• Siedentopf Observation head inclined at 30° rotatable 360°• Vertical focusable phototube for Photomicrography• Diopter adjustable ring on ocular tube (± 5)• Interpupillary distance from 48mm to 75mm
Eyepiece (Anti fungus Coated)	<ul style="list-style-type: none">• Extra wide field 10X (paired)• F.O.V. 25 mm. Ocular dia 30 mm
Objectives (Infinite Corrected) Anti Mold and Anti fungus coated	<ul style="list-style-type: none">• CCIS Plan Achromatic 2X, 4X, 10X, 20X• CCIS Plan Achromatic 40X (S.L.)• CCIS Plan Achromatic 100X Oil (S.L.)
Mechanical Body	<ul style="list-style-type: none">• Co-Axial focusing system. PRE-FOCUSING LEVER AND TENSION ADJUSTMENT RING• Reverse angle sextuple nosepiece revolves on ball bearing, Slot for polarizer & DIC• Double plate reckless mechanical stage 187 mm x 167 mm & having low positioned co-axial controls on ball bearing guide ways Removable & Rotatable• Fine div 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm/rotation. Moving range 24mm
Heat Stage	<ul style="list-style-type: none">• Warm stage - temperature controlled with display (Optional)
Phase Contrast	<ul style="list-style-type: none">• Complete Phase contrast attachments compatible (Optional)
Sub Stage Condenser	<ul style="list-style-type: none">• Swing out front lens, Abbe Condenser N.A. 0.9/1.25, filter holder and iris diaphragm
Illumination System	<ul style="list-style-type: none">• Kohler illumination system with 3W LED external illuminator. Iris diaphragm on collector lens. Aspherical collectors. Brightness knob control
Standard Accessories	<ul style="list-style-type: none">• 3W LED bulb, Dust cover, operating manual, warranty card, blue filter and Styrofoam molded pack

WORKING TOGETHER

Nuvert BioResearch has teamed up with Accuvance LLP to offer significant benefits, savings and remarkable optical performance to professionals and companies in Animal Biotechnology.



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NUVERTO BIORESEARCH

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