



Stereo microscopes for embryo collection

 **euromex[®]**



The following Euromex[®] microscopes were especially developed for veterinary centers and labs involved in embryo collection and transfer used in equine and bovine animal reproduction

A Euromex embryo transfer microscope consists in a stand with special tilting dark-and brightfield mirror, a dedicated 3 Watt LED illumination together with one of the available ZE stereo zoom heads

The super wide field eyepieces SWF 10x/23 of the ZE series stereo heads together with the highly light transmitting objectives and dedicated dark field mirror provide an outstanding and image clarity with a large field of view and high contrast. This results in comfortable viewing and the necessary optical quality in order to find the embryo

The magnification of the zoom objective of the Z-series can smoothly be adjusted through easy to operate ergonomic control knobs located on both sides of the microscope.

All models are equipped with the Super Wide SWF 10x/23 eyepieces and both tubes have diopter adjustment. The third tube of the trinocular versions allow the use of a digital or analog camera

The tilting mirror with double-side coating of the stand enables different dark-and brightfield contrast illuminations for search and evaluation tasks as needed during embryo collection and transfer procedures

A dedicated built-in 3 Watt adjustable LED (light emitting diode) illumination feature a better contrast than traditional microscopes equipped with other light sources. Delivered with 100-240 Vac 50/60 Hz power supply

The models with 7x-45x magnifications are suitable for search of equine embryo's

The models with 10x-70x magnifications are recommended for search of bovine embryo's and evaluation of equine and bovine embryo's



| | ZE.1624-35 | ZE.1654-35 | ZE.1670-35 | ZE.1671-35 |
|---|--------------|--------------|--------------|--------------|
| Stereo head | Binocular | Trinocular | Binocular | Trinocular |
| Zoom objective | 0.7x to 4.5x | 0.7x to 4.5x | 1x to 7x | 1x to 10x |
| Magnifications | 7x to 45x | 7x to 45x | 10x to 70x | 10x to 70x |
| Field of view | 32 - 5.1 mm | 32 - 5.1 mm | 23 - 3.29 mm | 23 - 3.29 mm |
| Working distance | 93 mm | 93 mm | 104 mm | 104 mm |
| <i>When using the photo tube of the ZE.1671 the image remains visible in both eyepieces</i> | | | | |

Options:

AE.1834 Pair Super Wide Field 12.5x / 20 eyepieces
 AE.1837 Pair Super Wide Field 15x / 16 eyepieces
 AE.1838 Pair Super Wide Field 20x / 11.5 eyepieces

AE.5439 Eyeshades for all eyepieces
 AE.5425 Eyeshades for spectacle wearers, for all eyepieces

DC.1300x CMEX 1.3 Mpix CMOS USB-2 digital camera inclusive capture software
 DC.5000 CMEX 5 Mpix CMOS USB-2 digital camera inclusive capture software

VC.3032 CCD camera with S-video and composite video output (without objectif)
 AE.5015 Objectif for VC.3032 CCD camera
 VC.3516 15 inch color monitor for VC.3032
 VC.3521 20 inch color monitor for VC.3032