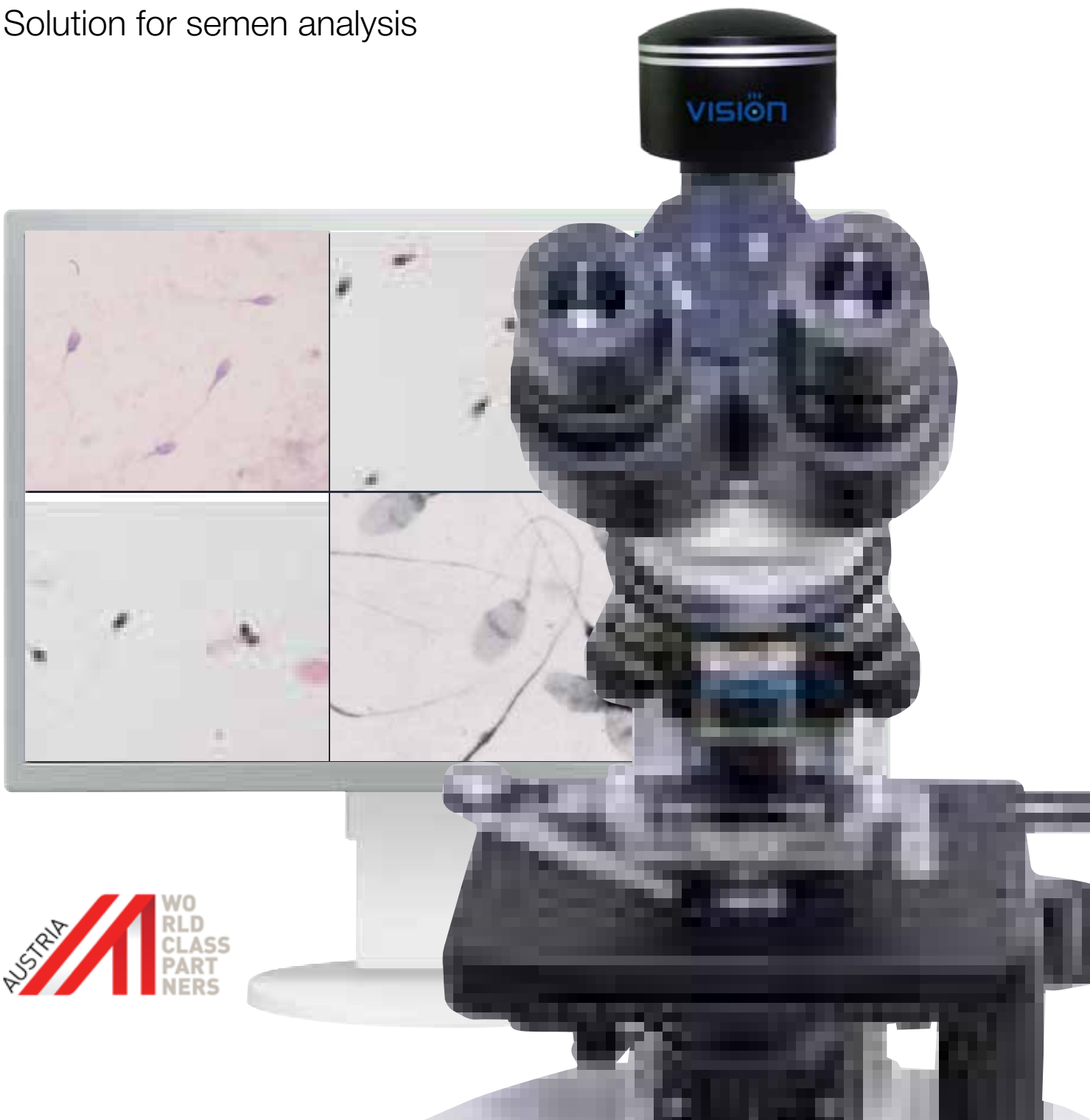


MICROOptix

MX Vision Sperm

Solution for semen analysis



AUSTRIA
WORLD
CLASS
PART
NERS

MX Vision Sperm

Semen microscopy system

Organization and interpretation of sperm morphology analysis



- Excellent image of sperm samples due to camera with high resolution
- Sample image analysis and classification
- Semen objects atlas for identification, especially in difficult cases
- Database and archive management

Preset algorithm of sperm analysis by WHO

Indispensable assistant offers a researcher the standardized algorithm of sperm analysis.



| Analysis Attributes | | |
|--------------------------------------|-------------------------------------|--------|
| Duration of Abstinence | <input type="text" value="7"/> | days |
| Interval: Ejaculation - Analysis | <input type="text"/> | min. |
| Appearance | <input type="text" value="Normal"/> | |
| Liquefaction | <input type="text" value="Normal"/> | |
| Consistency | <input type="text" value="Normal"/> | |
| Viscosity | <input type="text" value="Normal"/> | |
| Volume | <input type="text"/> | µm/sec |
| pH | <input type="text" value="7,2"/> | |
| ➤ Motility (%) | | |
| (PR) progressive | <input type="text" value="0"/> | % |
| (NP) non-progressive | <input type="text" value="0"/> | % |
| (IM) immotile | <input type="text"/> | % |
| ➤ Motility (M/ml) | | |
| (PR) progressive | <input type="text"/> | M/ml |
| (NP) non-progressive | <input type="text"/> | M/ml |
| (IM) immotile | <input type="text"/> | M/ml |
| Velocity | <input type="text"/> | µm/sec |
| Sperm Motility Index (SMI) | <input type="text"/> | |
| Agglutination | <input type="text"/> | % |
| Aggregation | <input type="text"/> | % |
| Vitality | <input type="text"/> | % live |
| Concentration | <input type="text"/> | M/ml |
| Total Sperm Number | <input type="text"/> | |
| ➤ Morphology | | |
| Normal | <input type="text" value="15,4"/> | % |
| Head Defects | <input type="text" value="42,3"/> | % |
| Neck or Midpiece Defects | <input type="text" value="29,3"/> | % |
| Tail Defects | <input type="text" value="24,7"/> | % |
| Cytoplasmic Defects | <input type="text" value="43,5"/> | % |
| Functional Sperm Concentration (FSC) | <input type="text"/> | |
| Teratozoospermia Index (TZI) | <input type="text"/> | |
| White Blood Cells (WBC) | <input type="text"/> | M/ml |
| Red Blood Cells (RBC) | <input type="text"/> | M/ml |
| Immature Germ Cells | <input type="text"/> | M/ml |
| Immunobead / MAR test | <input type="text"/> | % |
| MAR test | <input type="text"/> | % |
| ➤ Biochemistry | | |
| Zinc | <input type="text"/> | mmol/l |
| Fructose | <input type="text"/> | mmol/l |
| α-glucosidase neutral | <input type="text"/> | U/l |
| Citric acid | <input type="text"/> | mmol/l |

MX Vision Sperm system for semen analysis

General characteristics

| | |
|---------------------------|---|
| Working modes | sample visualization and analysis |
| Instruments | preset algorithm of sperm analysis by WHO; analysis, measurement and classification of semen samples microscopy images; creating reports |
| Image capture | manual |
| Method | bright field |
| Optical system | 4x, 10x, 40x, 100x oil |
| Microscopic slides | standard 75x25 mm, 1.1 mm thick |
| Database | multiple systems can share one database; archiving of results via transfer to external storage media |
| Software | Vision Sperm® <ul style="list-style-type: none"> — preset algorithm of sperm analysis by WHO — analysis, measurement and classification of semen samples microscopy images — a professional set of tools to work with digital samples: create, edit, organize, classify and comment — storage, statistic handling and quick search — remote accesse and network capabilities |

Ordering Information

| Description | Code |
|--|-------------------|
| MX Vision Sperm / Standard set System includes: MicroOptix MX 100T microscope, Vision CAM® V005 (C) digital camera, Vision Sperm® software, PC, monitor | 60.0009.13 |
| MX Vision Sperm / Primary set Set includes: MicroOptix MX 100T microscope, Vision CAM® V005 (C) digital camera, Vision Sperm® software. <i>Use your personal computer*</i> | 60.0009.14 |

* Minimal PC requirements: Intel Core i5, 4 GB RAM, 1 TB HDD, Windows 7, 1920x1080

* Product images are shown for reference only and final product may differ