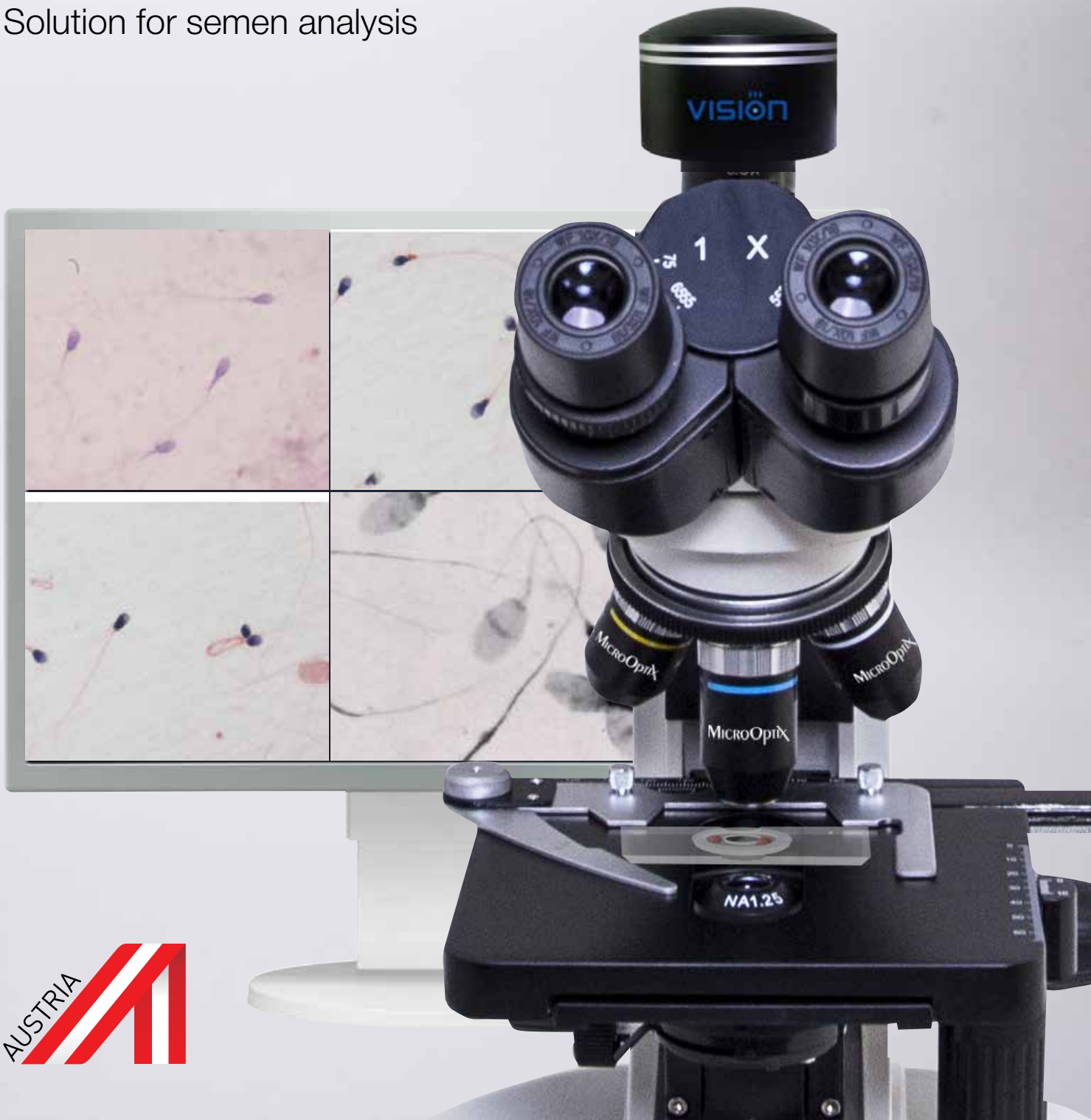
MicroOptix

WEST MEDICA

MX Vision Sperm®

Solution for semen analysis



AUSTRIA

MX Vision Sperm®

Semen microscopy system

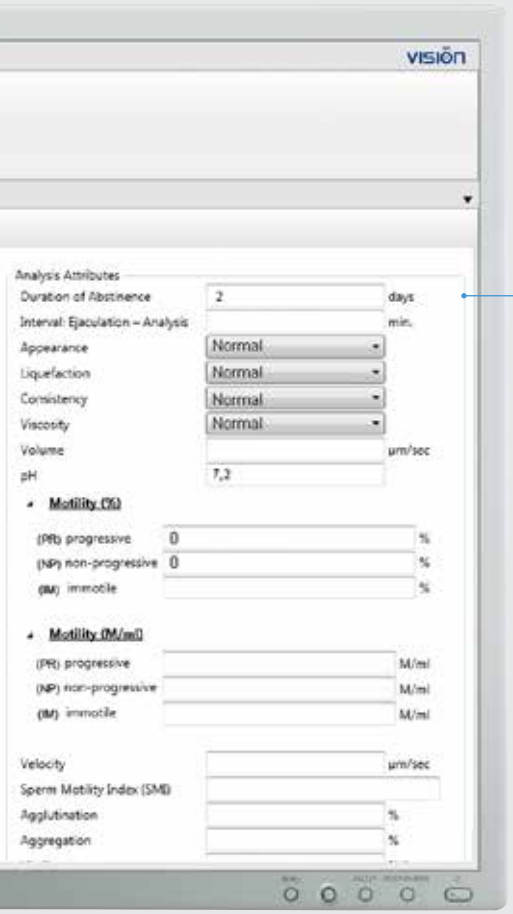
Organization and interpretation of sperm morphology analysis

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

Specification

MicroOptix

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® — 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 100 (T) microscope, Vision CAM® V005 (C) digital camera, Vision Sperm® software, PC, monitor	**60.0009.13**
	MX Vision Sperm® / Primary set Set includes: MicroOptix MX 100 (T) microscope, Vision CAM® V005 (C) digital camera, Vision Sperm® software. *Use your personal computer**	**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

WEST MEDICA
Franz-Siegel-Gasse 1
2380 Perchtoldsdorf, Austria
tel.: +43 (1) 804 81 84
fax: +43 (1) 804 81 85
vienna@westmedica.com

www.microoptix.com
www.westmedica.com

WEST MEDICA

Rev 5.0/02.2017 EN