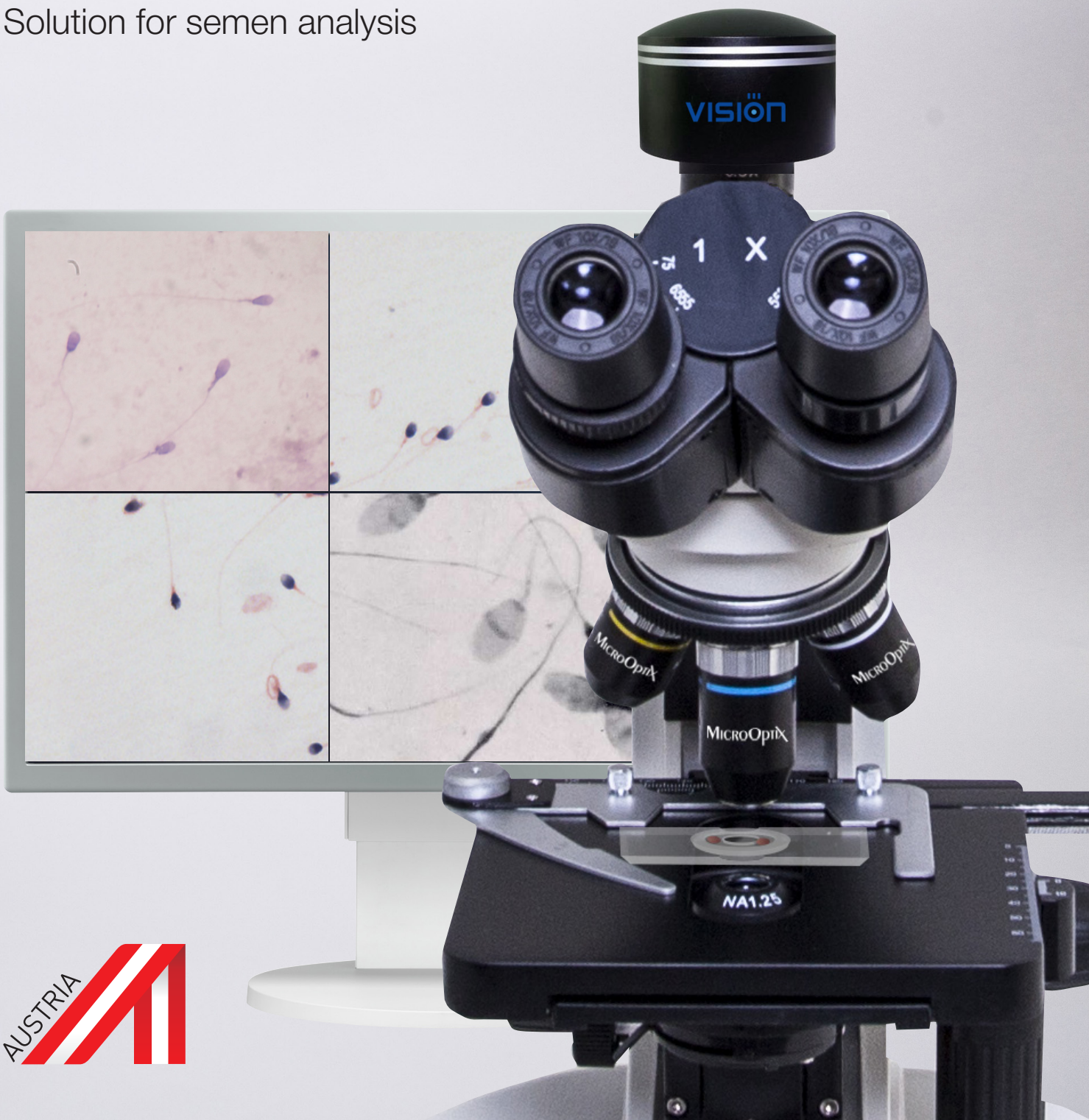
MicroOptix

WEST MEDICA

MX Vision Sperm

Solution for semen analysis

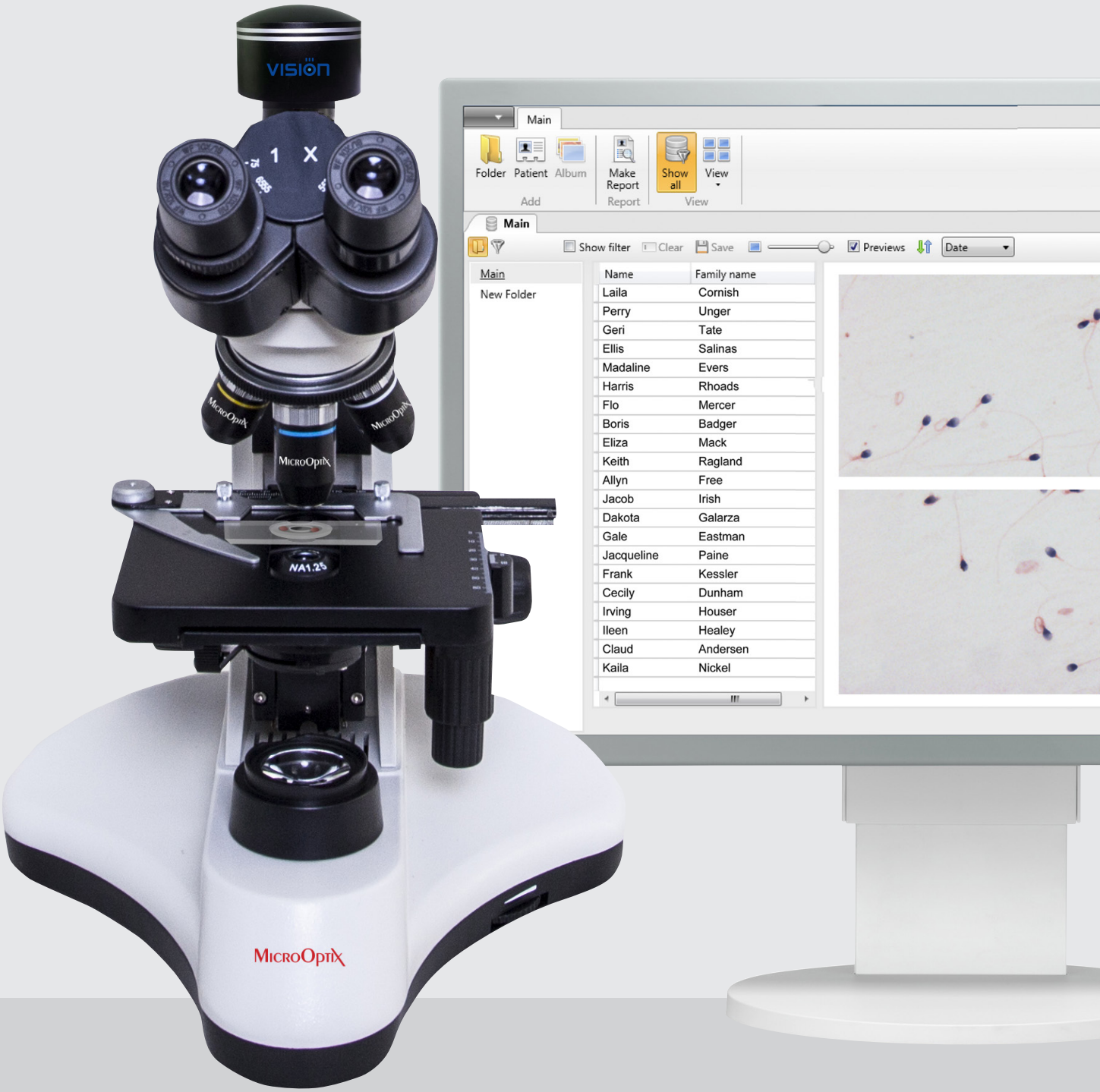


AUSTRIA

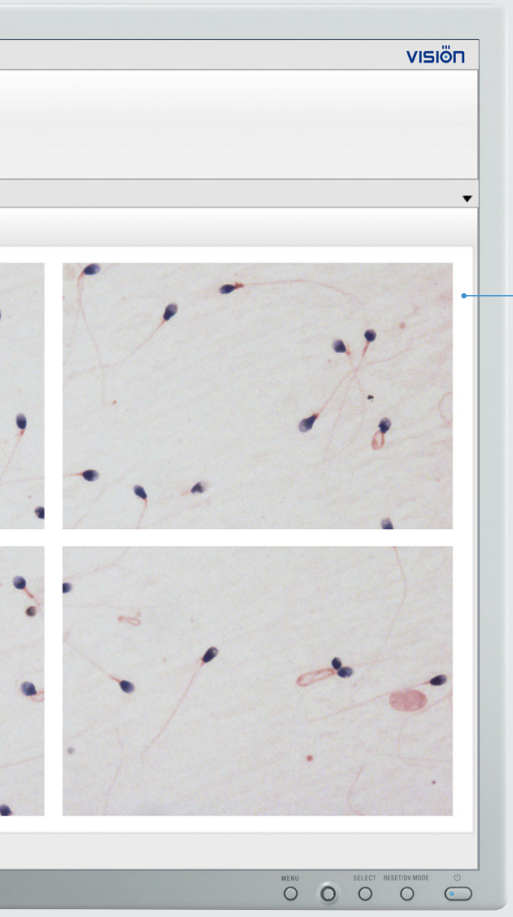
MX Vision Sperm

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

	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 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. *Use your personal computer**	**60.0009.14**

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

We reserve the right to change specification without notice.

WEST MEDICA

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