



EVOLUTION

## PRODUCTION

CASA  
SPERM CLASS ANALYZER



**MICROPTIC**  
AUTOMATIC DIAGNOSTIC SYSTEMS

# SCA<sup>®</sup> Production

Intuitive CASA system for your  
swine production center.

Automatically provides optimal doses.






**Motility & concentration**, as well as **droplets and coiled tails** are **rapidly** and automatically analysed with SCA<sup>®</sup> Production.

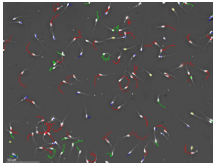
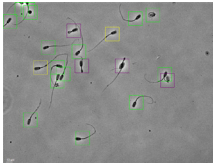
Also **acrosome integrity** can be automatically analysed.

# SCA<sup>®</sup> PRODUCTION MAIN FEATURES

Includes a user-friendly animal database that permits the management of the results, identification data as well as obtaining statistics. Full report includes images and graphs. In addition, a summary report by animal and date can be easily obtained and exported to several formats.



Reference: 100001		Code: 001	
			
Date: 22/09/2015		Animal: Name	
Centre: Laboratory			
<b>Sample Information</b>			
Sample: 200.00 M/mL		Initial extender: 50.00 mL	
Dilution 1:10			
<b>Doses</b>			
	# doses	TID	AVZ
Dose1	14	3,218.18	3,000.00
		PI3	Prog.
		199.00	921.00
		Ext.	Tot.
		1,120.00	7.47
<b>Concentration</b>			
	M/mL	M:Sample	
Sample	276.17	52,234.00	
Progressive (PR)	187.23	37,446.76	
Motile	257.45	51,489.32	
Immotile (IM)	18.72	3,744.68	
<b>Motility</b>			
	Total	%	
Progressive (PR)	80	67.80	
Motile	110	93.22	
Immotile (IM)	8	6.78	
<b>Morphology</b>			
	Total	%	
Normal	27	81.82	
Abnormal	6	18.18	
Abnormal head	2	6.06	
Proximal droplet	0	0.00	
Distal droplet	0	0.00	
Abnormal tail	4	12.12	

Technician: Surname2, Name2	
Comments:	

**High quality hardware components:** Phase contrast microscope with heating stage, digital Basler camera and control unit computer (optional **motorized stage** to do the process automatically). Can be connected to a digital scale and barcode reader allowing a quicker data insertion.

Compatible with existing **software or databases**.

Can be **plugged into a semen packaging machine**, automatizing the whole procedure and making it faster.

Any **disposable analysis chamber** can be used.

**Technical Support** is available, with remote connection.

## SCA® PRODUCTION MODULES:

MAIN MODULES	
<b>SCA® Production</b>	Automatic analysis of concentration and motility, and interactive morphology and acrosome analysis in unstained samples
<b>SCA® Droplets</b>	Analysis of cytoplasmic droplets and coiled tails
<b>SCA® Acrosome integrity</b>	Analysis of acrosome integrity in phase contrast with the 40x objective
<b>SCA® Sample Management</b>	Management of the database and reports generator
ADDITIONAL MODULES	
<b>SCA® DataShare</b>	It enables the internal SCA® database sharing and the connection with any LIS system
<b>SCA® Stage Controller</b>	Fully automation using motorized stage

## MINIMUM REQUIREMENTS:

SCA® Production	
<b>COMPUTER</b>	Desktop or laptop: Operating system Windows 7 SP1, Windows 8 or Windows 10 (32 or 64 bits); Processor: Intel Core i5 or higher; RAM: 4GB or higher; DVD-ROM; USB port; Gigabit Ethernet or PCI-Express card.
<b>CAMERA</b>	Basler Ace acA1300-200uc
<b>MICROSCOPE</b>	Nikon, Olympus or Zeiss; Trinocular tube 1x, C-mount 1x; Turret condenser and centering telescope.
<b>OBSERVATION METHOD</b>	Negative and positive phase contrast
<b>OBJECTIVE</b>	10x ph- (Motility), 20x ph+ (Morphology), 40x ph+ (Acrosome)
<b>FILTERS</b>	Green filter
<b>DISPOSABLES, KITS, STAININGS</b>	Disposable counting chambers or Makler
<b>ADDITIONAL HARDWARE</b>	Heating stage (37°C)

DISTRIBUTOR:



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