

HTM DIMENSIONS Strict Morphology



Morphology Accepted Around the World

HTM-DIMENSIONS for Objective, Automated, STRICT Morphology

Worldwide Acceptance

The World Health Organization has adopted the strict definition of normal sperm morphology (1). This means your HTM-DIMENSIONS strict morphology results meet the world standard.

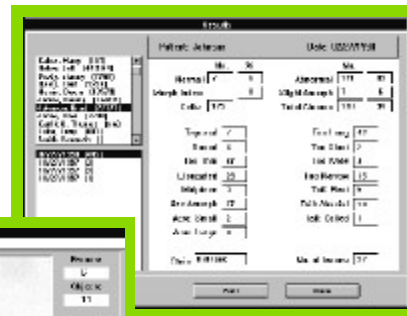
Validated by Drs. Kruger & Menkveld

DIMENSIONS is the ONLY automated, strict morphology program validated by Dr. T. Kruger and Dr. R. Menkveld (2,3) of Tygerberg Hospital - the leading authorities on the strict criteria methodology. With this validation you can feel secure that your DIMENSIONS morphology results are accurate.

The Cell History screen presents all cells analyzed for Quality Control.



Patient Database shows all analysis results by date for each patient.

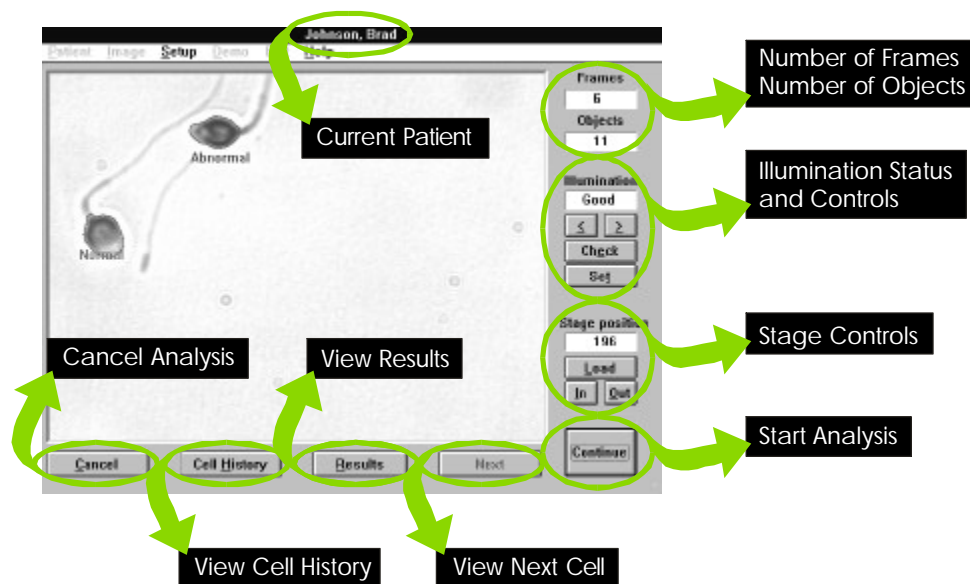


Sperm cell classifications are shown for analyzed images.

HTM-DIMENSIONS Analyzes Sperm Head, Midpiece and TAIL.

Benefits of HTM-DIMENSIONS

- Classification BY STRICT Criteria
 - Automatically Consistently
 - Objectively Rapidly
- Integrated Quality Control INSURES Confidence.
"The computer gives excellent repeatability of normal and abnormal cells." (Kruger et. al., 1995)
- Automated Sperm Analysis
 - Enhances productivity
 - Easy-to-use WINDOWS interface
 - Complete analysis - head, midpiece and tail
- Electronic Filing for Complete Documentation
 - Patient information
 - Analysis results
 - Images



HTM-DIMENSIONS Specifications

Compatible Systems:

- IVOS Version 10
- CEROS Version 10
- Master-C Version 10

Compatible Stains:

- Diff-Quik
- Modified PAP

Objective:

- 100x Oil Immersion

Display Modes:

- None [Fast]
- Classification Only
Normal/Abnormal/Rejected
- Complete
List of all Abnormalities

Image Storage:

- Automatic for Every Field
- Manual for Individual Fields

Cell History Screen:

- View Digitized Images
- Reject Objects
- Print Images

Printing Options:

- Print Results
- Automatic for Field Images
- Print Cell History

Patient Database:

- Stored by Patient Name
- Results Sorted by Date and Slide ID Number

Analysis Results:

- Normal (#, %)
- Abnormal (#, %)
- Slightly Amorphous (#, %)
- Total (#)
- Morphology Index (%)
- Frames Analyzed (#)

Abnormalities (#):

- Shape
- Size
- Tail
- Midpiece
- Acrosome

Specifications subject to change without notice. 3/18/98

References:

- (1) World Health Organization. WHO laboratory manual for the examination of human semen and sperm-cervical mucus interaction. Fourth Edition (In Press). Section 2.5.3.1.
- (2) Kruger TF, du Toit TC, Franken DR, Acosta AA, Oehninger SC, Menkveld R, Lombard CJ. (1993) A new computerized method of reading sperm morphology (strict criteria) is as efficient as technician reading. *Fertility and Sterility*. 59:202-209.
- (3) Kruger TF, du Toit TC, Franken DR, Menkveld R, Lombard CJ. (1995) Sperm morphology: assessing the agreement between the manual (strict criteria) and the sperm morphology analyzer IVOS. *Fertility and Sterility*. 63: 134-141.



Innovations to Rely On

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