## **HT Morph Software Option**

**Version 1.0** Research use only. Not for use in human diagnostic procedures.

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**Data Input** 

Subject: Subject ID

Species Remarks Slide ID

Slide: Stain Type

Image Set ID Image Set:

User-defined Custom Data Fields Custom:

**Optics Setup** 

Interactive illumination setting Illumination:

Real-time feedback

Objective: Administrator access only

Scale calibration using micrometer Calibrated value saved for each objective

Unlimited objective storage

Camera: Administrator access only

Camera Type Gain Exposure

Classification Rules

Saved Setups: Unlimited

Rule Parameters: Nominal Head Size

Nominal Tail Length

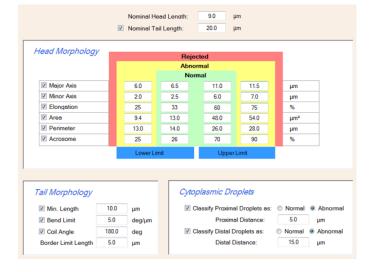
Head

Major Axis: Min/Max (µm) for Normal & Abnormal Minor Axis: Min/Max (µm) for Normal & Abnormal Elongation: Min/Max (%) for Normal & Abnormal Area: Min/Max (µm²) for Normal & Abnormal Perimeter: Min/Max (µm) for Normal & Abnormal Acrosome: Min/Max (%) for Normal & Abnormal

Tail

Minimum Length (µm) Bend Rate (degrees/µm) Coli Angle (degrees) Border Limit Length (µm) Cytoplasmic Droplets Proximal and Distal

Classify as Normal or Abnormal Proximal Distance / Distal Distance (µm)



Preferences

Morphology: Maximum Cells in Analysis

Show Unidentified Objects (enable/disable)

IVOS: Illumination Step Size

Stain: Unlimited Stain Types may be added Custom Data: 20 Custom Data Fields available

Analysis

Types

Review (from saved image set)

Stage Control IVOS II Only

On-screen Jog buttons

Stage position indicator showing analyzed fields and visited

fields.

Security

HT User Groups: Administrative or Basic user

Password Security: Windows-based Users Unlimited User IDs and passwords

Setup Access: Certain settings restricted to Administrator users only

**Analysis Results** 

Selected Cell Results shown:

Selected Field Cumulative analysis

Classification: Normal

> Abnormal Rejected

Head: Major Axis

Minor Axis Elongation Area Perimeter

Acrosome Tail: Length Bend Rate

Coil Angle

Cytoplasmic Droplets: Proximal

Distal

Video Playback

Full Field: Field by Field playback

Analysis results for selected field Turn On/Off Graphic Overlay

Cell by Cell Viewing Individual Cell:

Zoomed Cell Image

Turn On / Off Cell Overlays Change or Reset Classification

Thumbnails: Display of captured images

Delete fields from analysis

Custom Design Reports

Save & View Export to CSV

**Image Storage** Automatically saves captured images to selected

Specimen/Slide/Image Set folder

**Quality Control** 

Quick view to confirm illumination and focus Illumination Check:

Illumination Status: Good / Too Bright / Too Dark

Video Playback: Color-coded labeling of normal, abnormal or rejected cells

Ability to change classification User Override:

Specifications subject to change without notice

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