



iMICROTEC

1192 Gravesend Neck Rd Brooklyn NY 11229 Tel. 718-435-9161

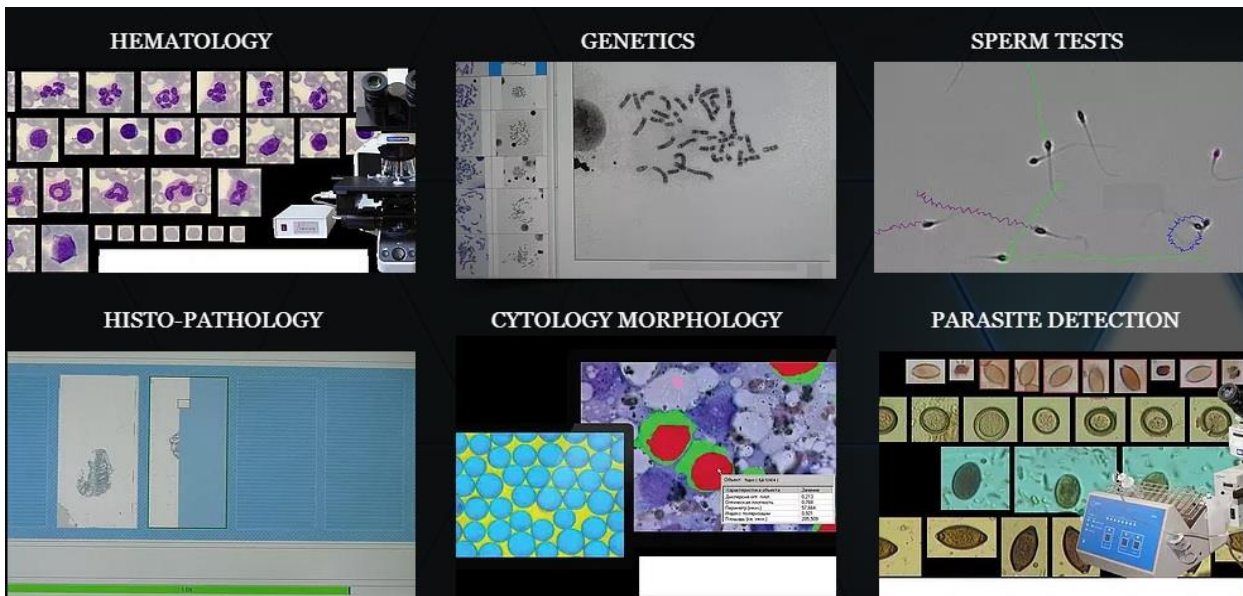
Web: www.imicrotec.com e-mail: info@imicrotec.com

iMicroTec, Inc. is a test medical devices company with over 10 years of experience in development and integration of automated microscopy systems for bio-medical specimen and material science tests. iMicroTec motorized microscopes automate specimen loading, scanning, sample gathering, sorting, measurements, and objects visualization with motorized quality microscopes. Our 1-4-8-50-100-200 specimen systems fit from a tight to an expanded customers budget.



Our major biomedical products are:

- HEM 1-4-8-50-100-200 Blood Differential Test (WBC and RBC)
- AMS Automated Metaphase Search and Karyotyping
- FISH fluorescent product
- CGH fluorescent product
- VM histo-pathology and cytology Virtual Microscope product
- IPSS Image Processing and Segmentation Stitching product (live and auto-stitching)
- Spm Sperm Motility Morphology Vitality DNA verification methodics product
- MM Surface Analysis Metrology and Morphology software for material science



Our systems combine an extremely simple and intuitive interface (GUI) and precise adherence of FDA guide lines. A unique feature of our systems is their ability of adaptation to all test-to-test variable conditions. It can adapt to a specimen preparation quality (even stain intensity and color), self-adjust to the population of cells, compensate and setup for equipment variations and laboratories conditions and can be easily customized for each customer demands.

Search algorithms are the key to our system quality object recognition. They combine artificial intelligence and deterministic methods where applicable.

Our main products advantages:

Hematology: - Medium range quality microscope with dramatically increased productivity
- Flexible cell sampling (collection of operators programmed number of cells) and pre-sorting
- Galleries of unusual form cells
- Quantitative analysis of erythrocytes and platelets as well as specimen preparation quality evaluation.

- Almost 100% of found lymphocytes versus 85-95% for the best competitive results;
programmable cell group and sampling selection for statistics.

Pathology: - Latest high speed technology USB 3.0 camera with 4.1 MPix resolution and up to 90f/sec provided exceptional speed of scanning: 25 sec/specimen preliminary scanning with creation of the specimen map then 2-10 min scanning with high resolution 20X/0.75 objective (higher resolution than Plan 40X objective)

- System can be controlled over the Internet in semi-automated and fully automated mode of operations

- 3 autofocus modes to cover thick and thin specimens.

Focusing can be done in continuous movement which increases the speed 3-4 times versus standard discrete method

- System can be adapted to fit limited budget organizations as well as high productivity large clinical laboratories.

Our technology supports the following automated functions:

- Internet service maintenance and tele-conferencing

- FDA pre-defined test descriptions

- Increased sensitivity to pathological morphology and atypical objects

- Advanced workspace ergonomics and absence of routine labor-intensive procedures

- Dramatically (minutes versus hours) increased labor productivity

- Quality control and staff teaching

Contact us: e-mail: info@imicrotec.com web: www.imicrotec.com ph. 718-435-9161