

F7

A One-Stop Shop for Automation in a Cytogenetic laboratory

Joachim Fischer

ADS Biotec

In today's challenging lab environments, the demand for higher productivity, streamlined workflows, superior quality and more reliable results is essential.

ADS Biotec can help you meet that challenge. As the trusted global partner to leading clinical and diagnostic research labs around the world, we deliver advanced genetic testing solutions — all backed by our full commitment to innovative products, knowledgeable service and experienced customer support

Harvester

The HANABI Metaphase Chromosome Harvesters are the first systems to fully automate the multi-step process of making and harvesting metaphase chromosomes from blood and bone marrow cell cultures and prenatal suspension cultures for cytogenetic analysis. Centrifugation, aspiration, addition of hypotonic and fixing solutions, and cell resuspension are all automated. Reliability and low maintenance significantly reduce the time associated with the manual harvesting process. As an option the system can be equipped with a LIS linkage module and a module which is automatically mixing fixative from methanol and acetic acid.

Spreaders

The HANABI-PV Metaphase Auto-Spreader and HANABI-PVI Metaphase Spreader are instruments that provide optimized environmental conditions for the production of metaphase chromosome spreads. The HANABI-PV automatically processes up to 10 samples and prepares up to 20 slides per run. Temperature, humidity and airflow are set and stabilize quickly. The sample tubes and slides are traceable with barcodes.

Stainer

ADS Biotec offers the most advanced and modern technology in cytogenetic automation. The HANABI-S1020 Auto Chromosome Staining System is designed for cytogenetics laboratories that require higher throughput to improve productivity and obtain consistent, high-quality slide samples. The HANABI-S1020 significantly reduces the entire slide staining process from days to just minutes by incorporating a unique patented UV aging feature (patent number 6146885). UV aging of slides results in consistent and high-quality specimens, resulting in a truly high quality, high throughput slide staining solution. Since recently we offer a consumables kit in connection with the S-1020.