

# Announcement

**Naizak is delighted to announce our new partnership in life sciences with ADS Biotec.**

ADS Biotec, along with its parent company ADSTEC (Japan), is a global leader in the development, manufacture and sale of automated instruments and consumables for use in cytogenetic, pathology and research laboratories. Our technology and services enable our customers to increase productivity and throughput while maintaining a high degree of quality and consistency.

## Products

### 1. Fully Automated Nucleic Acid Isolation & Purification Systems

- A complete range of advanced nucleic acid isolation solutions, from fully automated high- and low-volume extraction systems to manual benchtop units.
- All ADS Biotec isolation systems offer a full selection of convenient, easy-to-use DNA and RNA extraction kits.
- Kits for preparing lysates from mammalian, fish, insect, plant, and fungal tissues are also available.



### 2. HANABI Cytogenetic Systems

- The HANABI Metaphase Chromosome Harvesters are the first systems to fully automate the multi-step process of preparing and harvesting metaphase cells derived from blood and bone marrow cell cultures and from other cell suspension cultures for cytogenetic analyses.
- Centrifugation, aspiration, addition of hypotonic and fixative solutions, and cell resuspension are all automated.
- Walk away reliability and low maintenance significantly reduce FTE time associated with the manual harvesting process.



### 3. HPLC Columns and Buffers for Nucleic Acid Separations

- Truncated oligonucleotides and other impurities (e.g. deprotection failures) must be removed for most molecular biology applications.
- This is to ensure their efficacy for downstream application and possible therapeutic use.
- Separation and purification of nucleic acids is most commonly performed using ion-paired reversed phase chromatography<sup>2,3</sup>. This technique provides ionic interaction between the nucleic acid and the stationary phase via its hydrophobic moiety.



### 4. Bio-consumable products

- All ADS Biotec Nucleic Acid Isolation Systems offer a selection of convenient, simple-to-use DNA and RNA extraction kits and consumables.

