The Translocation and Translocation-Enhanced Application Modules for MetaXpress® Software from Molecular Devices compliments the suite of application modules for the quantification of cellular signaling events and intracellular trafficking, which includes the Multi-Wavelength Translocation, Cell Scoring and Multi-Wavelength Cell Scoring Application Modules. They provide quantitative measurements of correlation between probes and compartments to assess the movement of molecules from one intracellular location to another.

Once analysis is completed, the resulting segmentation is overlaid on the original compartment image, displaying positive compartments as green and negative compartments as red.

Both modules feature the fastest image acquisition and analysis through integration with Molecular Devices’ complete solution for cellular imaging:

- ImageXpress® High-Content Imaging Systems
- MetaXpress® PowerCore™ Software for high-throughput image analysis
- AcuityXpress™ Software for quality control and data analysis

**EASY CONFIGURATION FOR ANALYSIS**

1. Select the compartment and translocation probe images
2. Set the compartment width
3. Determine the intensity above local background
4. Specify the correlation coefficient cut-off
5. Optionally specify the reporting parameters

The Translocation-Enhanced dialog box offers additional flexibility by allowing users to set...
Minimum and maximum compartment area and define the translocation probe regions for measurements.

**MULTI-PARAMETER ANALYSIS**
The application modules can generate a broad range of parameters that users can selectively report, which include:
- Compartments
- Mean compartment area
- Correlation coefficient
- Integrated inner and outer intensity
- Average inner and outer intensity
- Number and percentage of classified positives

**INTERACTIVE DATA DISPLAY**
Once the analysis is run, the Cellular Results table allows you to interactively view individual cells’ data. Clicking a cell in the image highlights the data for the selected cell in the table.

**FURTHER CUSTOMIZATION THROUGH MACROS**
MetaXpress Software and the Neurite Outgrowth Application Module are seamlessly integrated with the flexibility of MetaMorph® Software and its advanced automation macros. These powerful macros record and perform a series of tasks without the user having to know a programming language.

**THE FASTEST WORKFLOW FROM ACQUISITION TO HIT SELECTION**
Image acquisition with ImageXpress Systems provides the fastest read times for large libraries and great flexibility in acquisition setup for research through screening. On-the-fly cell counting ensures a pre-defined number of cells is captured and decreases image acquisition times.

Image analysis can be distributed to the high-throughput image analysis platform, MetaXpress PowerCore Software, providing unparalleled performance in the race to identify “hits.” Increasing image analysis speed by 10-to 30-fold virtually eliminates image analysis bottlenecks and enables multiple ImageXpress systems to run in parallel.

High-end hit selection and quality control is available through AcuityXpress Software, the data analysis software integrated in Molecular Devices’ complete imaging solution. AcuityXpress Software features an interactive drill down for bidirectional interaction between images and numerical data.

**ORDERING INFORMATION**
MetaXpress Software Translocation and Translocation-Enhanced Application Modules
Part Number: 9500-0014

**SALES OFFICES**
- USA & Canada +1-800-635-5577
- Brazil +55-11-3616-6607
- China (Beijing) +86-10-6410-8669
- China (Shanghai) +86-21-6887-8820
- Germany 00800 665 32860
- Japan (Osaka) +81-6-7174-8831
- Japan (Tokyo) +81-3-6360-5260
- South Korea +82-2-3471-9531
- United Kingdom +44-118-944-8000

Check our web site for a current listing of worldwide distributors.

www.moleculardevices.com

FOR RESEARCH USE ONLY . NOT FOR USE IN DIAGNOSTIC PROCEDURES.
The trademarks used herein are the property of Molecular Devices, LLC or their respective owners.

Specifications subject to change without notice.