



January 11, 2007

**Precision System Science Co., Ltd.**  
(Code Number 7707)

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**US Patent issued to PSS Bio Instruments, a subsidiary of  
Precision System Science Co., Ltd., concerning invention  
for containing, reacting and measuring**

Precision System Science Co., Ltd. (PSS) announced today that US Patent and Trademark Office had issued PSS Bio Instruments, Inc., a 100% subsidiary of PSS, US patent No. 7,157,047 B2, titled: Device for Containing, Reacting and Measuring, and Method of Containing, Reacting and Measuring. (For outline of patent, see the following page)

As this device uses dispose tips, the reacting processes are flexibly and accurately controlled; therefore, it is widely usable in from DNA/RNA analysis, protein measurement, and immunoassay to virus detection. PSS is applying the invention to other countries other than United States, and when it succeeds to obtain patents in major markets, it could be PSS's another core technology next to Magtration<sup>®</sup>.

PSS has manufactured a variety of DNA/RNA extraction and purification instruments based on its original Magtration<sup>®</sup> Technology. With this newly patented invention combining to Magtration<sup>®</sup>, all processes from extraction to measurement could be fully automated, which could result in commercialization of gene clinical diagnostics system that PSS has consistently worked for. PSS has collaborated with Japanese and non-Japanese research institutions and it has already completed prototypes of SNPs analysis and mutant detection instruments.

## Outline of the patent

1) Patent Number: US 7,157,047 B2

2) Issued Date: January 2, 2007

3) Patent Title:

Device for containing, reacting and measuring,  
and method of containing, reacting and measuring

4) Abstract:

The invention relates to a device for containing, reacting and measuring, and a method of containing, reacting and measuring, and provides a device for containing, reacting and measuring, and a method of containing, reacting and measuring which is also able to effectively and quickly perform the reaction processing, measuring and identification. The invention comprises; a transparent container section having a liquid inlet/outlet and which is able to contain a base member with various substances for detection having predetermined chemical structures fixed at respective fixed positions which are arranged in a predetermined condition, and with each of the chemical structures associated with each of the fixed positions, a drawing and discharging section which is able to draw and discharge the liquid into and from the container section via the inlet/outlet, and a measuring device which is able to receive light from the contained base member, external to the container section and in a condition associated with the fixed position.

5) Background that PSS Bio Instrument Inc. owns the patent:

Although the invention was originally applied by Precision System Science, Inc. (PSS), it was granted to Bio Strand Inc., a 100% PSS subsidiary, seeking to expand business in the United States. Later, PSS Bio Instrument Inc., another 100% PSS subsidiary, merged Bio Strand Inc. PSS is entitled to unconditional use of the patent by the contract.