

**For Any Technical Questions, Please Contact at [info@nodesus.com](mailto:info@nodesus.com)**

Product Name: VERSA 1100 Differential Digestion Work Station

Part Number:

Product Description:

### **VERSA 1100 Differential Digestion Work Station**

With the ever-increasing amounts of backlog from sexual assault evidence collection kits (SAECK), the need for automated differential digestion analysis has become a necessity. Utilizing DNase I, the Oakland Police Department completely eradicated their backlog using the VERSA 1100 Gene. As the VERSA 1100 is an open platform, automation of slide staining was easily achievable, and so is automatically separating all fractions. It allows for simultaneous work on the extraction of a certain fraction if needed

### **Application User Case:**

The Oakland Police Department , California employs VERSA 1100 Differential Digestion workstation to eliminate their backlog of SAKs and keep pace with their current case load.

√Graph of the reproducibility study. The study consisted of two sets of eight samples (L1 and S1).The graph shows the autosomal DNA concentration and the male DNA concentration. The horizontal line across each set of data represents the average value for that particular set of data.

√Electropherogram comparison of a sample digested using both manual and automated protocols. Samples were digested (A) manually (B)

robotically using the selective degradation protocol on the VERSA 1100 automated liquid handling workstation.the results shows that there was less variability in automated samples.

### **Feature**

- ReagentDrop - dispenses bulk reagents such as lysis buffers without the use of pipette tips
- Heater/Shaker - incubates sample up to 95°C and agitates sample all in one module
- Plate Gripper - transfers sample plates between shaker and other modules
- UV-HEPA filter hood - ensures no free floating DNA, thereby eliminating cross contamination
- Slide Adaptors - fits slides to be used for confirmatory stain testing
- Magnetic Block - can be equipped with a magnet for additional extraction capabilities
- Scalable throughput - up to 96 samples per run, separating all three fractions in a completion on time that is six times faster

For Any Technical Questions, Please Contact at [info@nodesus.com](mailto:info@nodesus.com)



## Product Specification:

<b>Feature</b>	<b>Differential Digestion Workstation</b>
Deck Capacity	15
Pipetting Head (Single Channel Function, Disposable Tip)	8 or 96 channel or 4 channel with independent Z-axis
Reagent Drop	Selection of 5-8 Channelsc
Magnetic Block	1
Temperature Regulation Block	1-4
Reagent Cooling Block	1
Plate Shaker	1
Gripper	1
96-Tip Aspirator	Optional
Liquid Level Sensing	Optional
HEPA/UV/LED Enclosure	Included
Width x Depth x Height (cm)	98.5 x 75.2 x 108.2
Weight (kg)	200