

Siemens Healthcare Diagnostics - IMMULITE 2000 Immunoassay System



GENERAL DESCRIPTION:

The IMMULITE 2000 immunoassay system has been designed specifically for optimum efficiency and consolidation in medium and high-volume laboratories. The IMMULITE 2000 intuitive software, and graphical user interface, offers streamlined information management, from remote test ordering to sophisticated analysis of results. Throughput of up to 200 tests/hour User-defined automatic dilution protocols Five hours of usable walk away time Third-generation assays for excellent sensitivity Comprehensive menu of more than 100* assays Easily automate through VersaCell™ or other ADVIA Automation Systems The IMMULITE 2000 analyzer combines allergy and specialty immunoassay testing on one platform with many features that provide greater efficiency in the lab. The IMMULITE sample types include serum, plasma, urine, and amniotic fluid but are assay specific.



TECHNICAL DESCRIPTION:

The IMMULITE 2000 employs chemiluminescent technology.

CONTACT INFORMATION

Siemens Healthcare Diagnostics
1717 Deerfield Road
Deerfield, IL 60015
847-267-5300

COST

- \$157,200/system
- N/A/analysis

Tier Selection

Final tier assignment is based on overall product score.

- Top Tier
- Second Tier
- Third Tier
- Fourth Tier
- Bottom Tier

RANKINGS

	Biological	Chemical	Radiological
FIELD USE System	● Bottom Tier	○ N/A	○ N/A
MOBILE Laboratory	● Bottom Tier	○ N/A	○ N/A
DIAGNOSTIC Laboratory	● Bottom Tier	○ N/A	○ N/A
ANALYTICAL Laboratory	● Bottom Tier	○ N/A	○ N/A

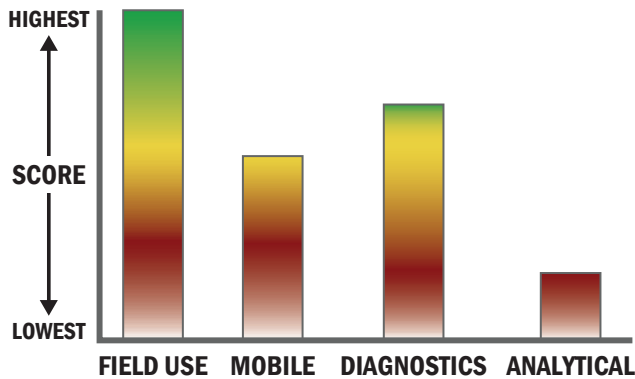
Survey Source

Internet Supplied Information



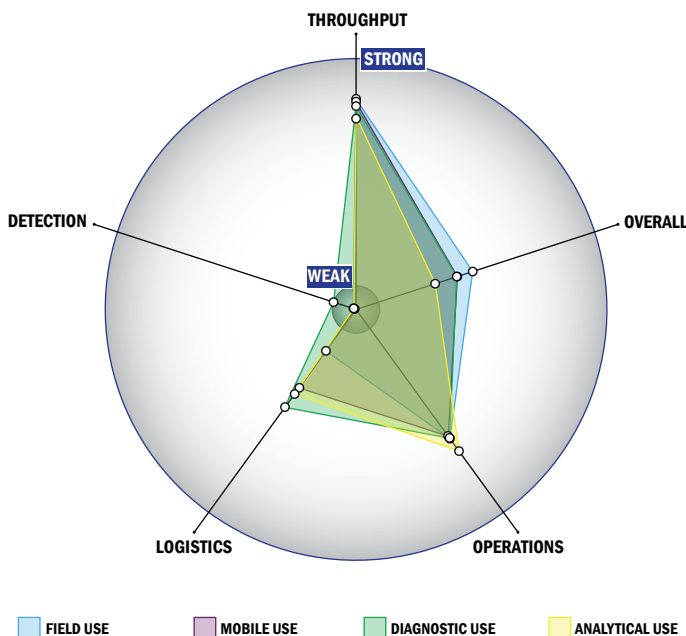
Scoring Analysis

System scores are compared across the four scenarios and ranked from highest to lowest.



Impact Chart

The Impact Chart is a spider graph representing specific categories and designed to give the reader a visual depiction of how a particular system is expected to operate across the four different scenarios. The score for each of the seven categories is presented as the percentage of the total possible score. Higher category scores extend the spokes of a graphic toward the outer edge of the chart. The area graphed for each of the four scenarios relates to how well the system performed in that scenario. Graphics for each of the four scenarios are super-imposed for ease of comparison.



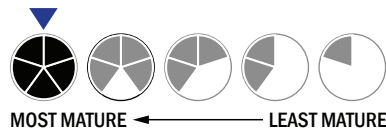
Evaluation Criteria

Throughput:

- Between 30 and 60 minutes for detection
- Multiple samples, multiple tests/sample per run
- 749-350 samples every 2 hours
- The system or device is currently fully automated
- Device or system is intended for multiple detection assays
- 2 solutions, buffer, eluents, and/or reagents
- 1 component
- Less than 5 minutes is required for set-up
- 1-2 steps are required for detection

Logistics:

- More than a day of training and significant technical skills are required
- Larger than a home dishwasher
- More than 50 kg
- Wired connections are available
- System or device has 220V electrical requirement



Operations:

- Components must be stored at room temperature (27 °C)
- Performance is not influenced by relative humidity
- Between 6 months and 1 year shelf life
- 5-10 years expected life
- Results can be viewed in real-time
- The system or device is currently fully autonomous
- The system software is closed and not available for modification
- The system hardware is closed and not available for modification

Detection:

- System currently has 510k clearance
- Less than 250 µL