

## Semi-Automatic Biochemical-Immune Analyzer for Reproductive Medicine



Multiskan Ascent semi-automatic Analyzer is specialized in analyzing the biochemical and immune indices of seminal plasma and serum specimen in reproductive medicine. It is ideal for small reproductive and andrology laboratories and good for standardization of the laboratory.

### Features:

- The optical capabilities are good and the reading range is up to 6.0 OD. The wavelength range is from 340nm to 850nm. The in-built incubator can realize real-time temperature control and this ensures that the biochemical index and immune parameters are simultaneously tested.
- The reading speed is high with only 9 seconds for a 96-well plate and 20 seconds for a 384-well plate.
- The software is good for the test of seminal plasma and serum index. Modularization program. Easy to operate.
- The HIS/LIS interface ensures informatization management of the laboratory

### Applicable for the Tests Below:

- Zinc level in seminal plasma (Zinc)
- Citric acid level in seminal plasma (Citric)
- Fructose level in seminal plasma (Fructose)
- Acid phosphatase level in seminal plasma (ACP)
- Sperm acrosin activity (Acrosin)



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- PMN - Elastase level in seminal plasma (Elastase)
- Neutral alpha - glucosidase level in seminal plasma (NAG)
- LDH - X (LDH - C4) level in semen (LDH - X)
- Other items for biochemical and immune assay

### Specifications:

|                              |   |
|------------------------------|---|
| <b>Optical Capabilities</b>  |   |
| <b>Wavelength Range:</b>     | 340nm-850nm   |
| <b>Light Source:</b>         | Halogen lamp, 6V/10W  |
| <b>Interference Filters:</b> | 8 position filter wheel, with standardized filters: 405, 450, 492, 620nm, optional standardized filters: 340, 414, 540, 690nm, and other unstandardized filter. |
| <b>Filter Half Bandpass:</b> | 3-6nm   |
| <b>Photometric accuracy:</b> | +/-2nm  |
| <b>Detector:</b>             | Silicon photodetector   |
| <b>Linear range:</b>         | +/-1%   |
| <b>Detection range:</b>      | 0 - 6 Abs   |
| <b>Absorbency:</b>           | 0 - 6 Abs   |
| <b>Resolution:</b>           | 0.001Abs  |
| <b>Accuracy:</b>             | +/-1% or 0.003 Abs, better accuracy when 0~2 Abs.   |
| <b>Precision:</b>            | CV<0.2%(0-3 Abs)  |
|                              | CV<1.0%(3-4Abs), stepping mode  |
|                              | CV<0.3%(0-3Abs)   |
|                              | CV<1.2%(2-3Abs), continuous mode  |
| <b>Time:</b>                 | 96 wells: 9s  |
|                              | 384 wells: 20s, continuous mode   |
| <b>Optional incubator:</b>   |   |
| <b>Temperature:</b>          | Room temperature, +4°C - 50°C   |
| <b>Homogeneity:</b>          | All wells, +/-0.2°C   |
| <b>Shaking:</b>              | Linear shaking, three speeds  |