BIOCHEMILUMINOMETER 3606M

Description
The device is equipped with a computer-aided electronic monitoring and control system. Operation of the biochemiluminometer is based on pulse counting. There is an option of printing out measurements results. The software of the device enables simultaneous measurements of the following parameters in 35 cuvettes:
- maximum luminescence intensity;
- the time to reach the maximum luminescence intensity;
- the decay constants of luminescence intensity;
- rates of achieving the maximum luminescence intensity;
- peak areas in relative units;
- digital filtration of noises in processing of measurement results.

Technical specifications
- Region of spectral sensitivity, nm 300-800
- Cuvette volume, ml 1
- Number of cuvettes, pieces 36
- Number of working cuvettes, pieces 35
- Temperature range of the cuvette section, °C 20-40
- Dynamic range of measurements 1-1000000
- Biochemiluminescence measuring time, min 1-240
- Overall dimensions:
  - Length, mm 480
  - Width, mm 360
  - Height, mm 128
- Maximum weight, kg 15.5
- Maximum power consumption, VA 150

Technical appraisal and economic benefits
As apposed to devices produced before, the automated multi-cuvette biochemiluminometer BChLM 3606M has a temperature-controlled cuvette section, in which the light flux is measured automatically following a preset algorithm.
**Application areas**
BChLM 3606M is designed for measuring superweak light fluxes resulting from biochemical reactions based on bacterial and another luciferases, as well as at spontaneous and induced chemiluminescence. The device be used:
- in medical diagnostics for biochemiluminescence microanalysis of biologically active substances;
- in food industry for quality inspection of foodstuff and edible raw materials;
- in environment monitoring;
- in microbiological industry;
- in biochemistry and biophysics research.

**Development stage**
The pre-production model is produced. Pilot batches can be manufactured.

**Patent situation**
No patent was obtained.

**Commercial offers**
Manufacturing to order.

**Estimated cost**
To be negotiated.

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