

# Arkimeds

*Fully automated coagulometer*



PT

A-PTT

FIB

TT

AT-III

PRO-C

PRO-S

CE  
IVD



The Arkimeds System is fully automated coagulometer, a high performance analyzer with photo-optical clot detection that offers a wide variety of coagulation tests. The Arkimeds has a highly sensitive photometer designed to perform all routine tests such as PT, A-PTT, TT, Fibrinogen and clotting factors, with a light source provided by a solid state three wave-length led wich ensures accurate and precise results.

## Technical Specification

|                            |   |
|----------------------------|---|
| <b>THROUGHPUT</b>          | <b>UP TO 120 PT TESTS/HOUR</b> in best conditions                 |
| <b>REAGENTS</b>            | <b>6 + 5 POSITIONS</b> 3 positions warmed at 37°C                 |
| <b>REACTION VOLUME</b>     | <b>FROM 150ul TO 450ul max</b>                                    |
| <b>SAMPLE VOLUME</b>       | <b>MINIMUM 50ul</b>   |
| <b>SAMPLINGH ARM</b>       | <b>1 FOR SAMPLE AND REAGENTS</b>                                  |
| <b>SAMPLE</b>              | <b>18 SAMPLES WITH PRIMARY TUBES</b>                              |
| <b>PHOTOMETER</b>          | <b>TRIPLE WAVELENGTH 450nm 510nm 630nm</b>                        |
| <b>PHOTOMETER ACCURACY</b> | <b>HIGH LINEARITY +/- 0.5% F.S.</b>                               |
| <b>SAMPLING</b>            | <b>HIGH PRECISION MODULE - from 10ul to 100ul</b>                 |
| <b>PERFORMED TESTS</b>     | <b>PT, A-PTT, FIB, TT, AT-III, PRO-C, PRO-S</b>                   |
| <b>INTERFACE</b>           | <b>USB 2.0</b>  |
| <b>BARCODE</b>             | <b>INTERNAL - Optional</b>  |
| <b>COMPUTER</b>            | <b>EXTERNAL WITH WIN XP SP2 - Optional</b>                        |
| <b>POWER SUPPLY</b>        | <b>INPUT 100/240 VAC - 47/63 Hz - 100 W</b>                       |
| <b>DIMENSION</b>           | <b>40cm/15.7inch - WIDTH 65cm/25.6inch - LENGHT 45cm/17.7inch</b> |
| <b>WEIGHT</b>              | <b>25 Kg - 55 Lbs</b>   |



Arkimeds automatic coagulometer

| Code | Last Name | First Name | Birth | Pl | Act | Fib | T1 |
|------|-----------|------------|-------|----|-----|-----|----|
| 1    |           |            |       |    |     |     |    |
| 2    |           |            |       |    |     |     |    |
| 3    |           |            |       |    |     |     |    |
| 4    |           |            |       |    |     |     |    |
| 5    |           |            |       |    |     |     |    |
| 6    |           |            |       |    |     |     |    |
| 7    |           |            |       |    |     |     |    |
| 8    |           |            |       |    |     |     |    |
| 9    |           |            |       |    |     |     |    |
| 10   |           |            |       |    |     |     |    |
| 11   |           |            |       |    |     |     |    |
| 12   |           |            |       |    |     |     |    |
| 13   |           |            |       |    |     |     |    |
| 14   |           |            |       |    |     |     |    |
| 15   |           |            |       |    |     |     |    |
| 16   |           |            |       |    |     |     |    |
| 17   |           |            |       |    |     |     |    |
| 18   |           |            |       |    |     |     |    |

Realtime chrome result in sec. delay

| code | testname | testtime | pt   | act  | act | appt | ratio | lab | status |
|------|----------|----------|------|------|-----|------|-------|-----|--------|
| 1    |          |          | 71.9 | 2.09 | 1.2 |      | 0.00  |     |        |
| 2    |          |          |      |      |     |      | 0.00  |     |        |
| 3    |          |          |      |      |     |      | 0.00  |     |        |
| 4    |          |          |      |      |     |      | 0.00  |     |        |
| 5    |          |          |      |      |     |      | 0.00  |     |        |
| 6    |          |          |      |      |     |      | 0.00  |     |        |
| 7    |          |          |      |      |     |      | 0.00  |     |        |
| 8    |          |          |      |      |     |      | 0.00  |     |        |
| 9    |          |          |      |      |     |      | 0.00  |     |        |
| 10   |          |          |      |      |     |      | 0.00  |     |        |
| 11   |          |          |      |      |     |      | 0.00  |     |        |
| 12   |          |          |      |      |     |      | 0.00  |     |        |
| 13   |          |          |      |      |     |      | 0.00  |     |        |
| 14   |          |          |      |      |     |      | 0.00  |     |        |
| 15   |          |          |      |      |     |      | 0.00  |     |        |
| 16   |          |          |      |      |     |      | 0.00  |     |        |
| 17   |          |          |      |      |     |      | 0.00  |     |        |
| 18   |          |          |      |      |     |      | 0.00  |     |        |

TRIDEMA ARKIMEDS

Microsoft Windows 7

rel. 211273

pulse la tecla "wash A" de 1 a 3 veces para remover eventuales burbujas de aire presentes en le circuito

Operating system needed windows xp sp2, graphic user friendly windows software. real time graphical result, automatic claus figurinogen plasma dilution.

Result expressed in second, percentual%, INR, concentration, rartio, Multi point calibration with spline curve algo, it is possible to download calibration curves directly from a cd supplied with our reagents.

Patient database on line, with result, sort & filters, three levels access protected with passwords, internal quality controls with printable levy-jennings graph.

Languages, English, Italian plus translation on request, two dedicated washing solution for a perfect cleaning.

In the periodical service are only involved the syringe teflon tip and two silicon tubes.

## Smart and Cost Effective Solution for Automated Coagulation Analisis



Tridema Engineerig S.r.L.