

## Technical data

### Medical characteristics

- ▶ Measured parameters : AP, GGT, AST, ALT, AMYL, UREA, GLU, PHOSP, CALCIUM, ALB, CHOL, URIC, CK, CREA, TBIL, TPROT, CO2
- ▶ Calculated parameters : GLOB, UREA/CREA, ALB/GLOB
- ▶ Normal range : depending on the species, displayed and printed out
- ▶ Sample : 90 µl. of serum or heparinised plasma
- ▶ Time required for analysis : Less than 10 minutes for a 19-parameter profile

### Computer characteristics

- ▶ Language : French, English + 3<sup>rd</sup> language on request (German, Spanish, Italian, Portuguese, etc.)
- ▶ Application : 3 pre-programmed animal data banks (dog, cat, horse) + 7 programmable banks
- ▶ Memory : up to 200 profiles saved in the memory

### Mechanical characteristics

- ▶ Dimensions : Width 330 mm, height 240 mm, depth 380 mm
- ▶ Weight : 13 Kg
- ▶ Electrical power supply : Mains 110 – 230 Volts / 50-60 Hz 300 VA
- ▶ Display : LCD graphic screen 320 X 240 dots
- ▶ Keyboard : Integrated 13-key keyboard
- ▶ Printer : External alphanumeric keyboard (optional)
- ▶ Connections : 24 column integrated thermal printer
- ▶ Connections : External printer (optional)
- ▶ Connections : 1 RS-232 serial port (1200 - 57600 bauds) to export data to a centralised system or MS4.
- ▶ Connections : 1 parallel port and USB port for printer
- ▶ Connections : 1 mini-DIN port for PS2 keyboard
- ▶ 2 configurable dilutions : Possibility of automatic dilution adapted to the selected species (patented)
- ▶ 2 configurable dilutions : Ergonomic pipetter with an integrated diluter control button

### List of available parameters

MScan II	Vet 16 Profile Rotor	Select 6V Rotor	Vetflex Rotor	Select 2V Rotor	T4 Rotor*
	19 parameter profile	1 to 16 parameters available (average 6)	13 parameter profile	1 to 3 parameters available (average 2)	T4
▶ Alanine transaminase (ALT)	●	●	●	●	
▶ Aspartate Transaminase (AST)	●	●	●	●	
▶ Alkaline Phosphatases (AP)	●	●	●	●	
▶ Gamma Glutamyl Transaminase (GGT)	●	●	●	●	
▶ Amylase (AMYLASE)	●	●	●	●	
▶ Calcium (CALCIUM)	●	●	●	●	
▶ Urea (UREA)	●	●	●	●	
▶ Glucose (GLUCOSE)	●	●	●	●	
▶ Albumin (ALBUMIN)	●	●	●	●	
▶ CO2	●	●	●	●	
▶ Creatine Kinase (CK)	●	●	●	●	
▶ Uric Acid (URIC ACID)	●	●	●	●	
▶ Cholesterol (CHOLESTEROL)	●	●	●	●	
▶ Creatinine (CREATININE)	●	●	●	●	
▶ Total Bilirubin (TBIL)	●	●	●	●	
▶ Total Protein (TPROT.)	●	●	●	●	
▶ Globulin (GLOB)	●	●	●	●	
▶ ALB/GLOB	●	●	●	●	
▶ UREA/CREA	●	●	●	●	
▶ Phosphate (PHOSPHATE)	●	●	●	●	
▶ T4					○

\* to come



Production certified ISO 9001-2000



\*\* According to our usual warranty conditions. MS Laboratoires reserves the right to modify the characteristics of the product without prior notice with the aim of improving its performance.

# MScan II



Discover a new **concept** of  
**veterinary biochemistry**

# M-Scan II

Less than **10 minutes**  
for **19 parameters**



< 1 mn

## PHASE 1

- Aspirate only 90µl of sample serum or plasma using the integrated pipetter
- Dispense the sample into the rotor
- Place the rotor in the measuring chamber



< 1 mn

## PHASE 2

- Select the species and the parameters you wish to analyse
- Launch the analysis



< 8 mn

## PHASE 3

- Full results in less than 10 minutes

Full  
Laboratory :



M-Scan II

MS45

➤ **Fast...**  
Ultra-fast start-up  
**3 minutes**

AMYL

ALAT

ASAT

➤ **Economical...**

Price per parameter  
In "Select" mode  
(patented)

CHOL

ALB

➤ **Simple...**

No calibration  
No maintenance  
Intuitive interface and  
ultra simple operation



CALCIUM

➤ **Flexible...**

With the "Select" rotors :  
a choice of 1 to 19  
parameters  
**"Instant reminder"**  
of additional  
parameters



GLOB

URIC

CREA

PHOSP

TBIL

URÉE/CREA

➤ **PLUS Card**

**"100 Tests"**  
A simple solution which  
allows controlled  
cost testing in  
"Select" mode  
(patented)



Can be connected to the clinic's computer network and MS4 or MS4-5 haematology analysers by RS-232 serial link



Haematology and biochemistry results can be combined for printing or printed alone in A4 format with the clinics address as a letter header.