



A story of success by partnership

Wolfgang Flemming

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5th December 1972

**Human Gesellschaft für  
Biotopanalytik und Biotopschutz  
mit beschränkter Haftung**

2



# human

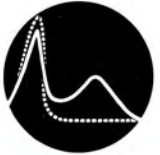
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## HARNSÄURE



vollenzymatischer



UV-Test



### human

Gesellschaft mbH

6204 Taunusstein-Neuhof · Telefon (0 61 28) 60 08 · Telex 4 -

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## PREISLISTE 1976

# Diagnostika Immunologika Analytika



### human

Gesellschaft mbH für  
Biotopanalytik und Biotopschutz

ABTEILUNG CALBIOCHEM

WZSAC Harnsäure UV-Test  
 N. 1164 für CENTRIFUGAL ANALYSER

Gesellschaft für Biochemie und Diagnostica mbH

Spezielle Angaben ersuchen Sie bitte aus den jeweiligen Arbeitsanleitungen.

**Reaktionsprinzip**  
 Harnsäure + O<sub>2</sub>  $\xrightarrow{\text{Uricase}}$  Allantoin + H<sub>2</sub>O<sub>2</sub>  
 H<sub>2</sub>O<sub>2</sub> + Ethanol  $\xrightarrow{\text{Katalase}}$  Acetaldehyd + 2 H<sub>2</sub>O  
 Acetaldehyd + NAD<sup>+</sup>  $\xrightarrow{\text{Aldehyd-Dehydrogenase}}$  Acetat + NADH + H<sup>+</sup>

Bestimmung der Harnsäure mittels Uricase, Katalase und Aldehyd-Dehydrogenase. Indikator ist NADH, das durch Aldehyd-Dehydrogenase aus NAD<sup>+</sup> gebildet wird.

**Konzentrationsangaben im Test**

Ethanol	1,43	mg/l
Katalase	933	U/l
Aldehyd-Dehydrogenase	333	U/l
Uricase	36	U/l
Phosphat-Puffer	42	mmol/l
NAD <sup>+</sup>	0,106	mmol/l

**Vorbereitung der Gebrauchslösung**  
 Der Inhalt von Flasche 2 mit 75 ml Puffer aus Flasche 1 lösen. Sei p<sub>1</sub> am Fläschchen 3 hinanzupipettieren.

**Stabilität**  
 Die gebrauchsfertige Lösung ist 3 Tage bei Kühlschranktemperatur haltbar.

**Standardinformation**  
 Der Inhalt der Standardflasche mit 2 ml aqua de Ionen und vor Gebrauch 60 min. rekonstruieren lassen. (Behandlung des Standards wie ein Kontrollserum.)

**Linearität**  
 Die Methode ist bis 12 mg/l linear.

**Normalbereich**

Männer	2,4 - 3,6	mg/100 ml bzw. 240 - 360 μmol/l
Frauen	2,4 - 3,7	mg/100 ml bzw. 240 - 370 μmol/l

**Literatur**  
 (1) MARCKEL, H., J. Clin. Chem. Clin. Biochem., Vol. 14, 1976, pp. 101-107  
 (2) MARCKEL, H., Med. Lab.  
 (3) STEFELD, L., et al. Dtsch. med. Wochschr., Vol. 99, 1973, pp. 380-384

Germany 8/76

# Human

Worldwide the number **ONE** in **liquid** reagents

For the determination of  
**ENZYMES**

**SUBSTRATES**

**ELECTROLYTES**

**PROTEINS**

- ┆ NO REAGENT PREPARATION
- ┆ READY FOR USE
- ┆ UNSURPASSED STABILITY, UP TO THE EXPIRY DATE
- ┆ NO REAGENT WASTE
- THEREFORE YOU BUY...**
- ┆ MORE SECURITY
- ┆ MORE CONVENIENCE
- ┆ FASTER, EASIER WORKING
- ┆ UNBEATABLE ECONOMY

For more information about the No. 1 Products contact:

**HUMAN** Gesellschaft für Biochemica und Diagnostica mbH  
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**human**

## human presents LIQUID STABLE

complete line of clinical chemistry reagents

- No Reagent waste
- No Preparation
- More Security
- More Convenience
- Faster Results
- Greater Economy

The broadest line worldwide  
**ENZYMES**

**SUBSTRATES**

**ELECTROLYTES**

**PROTEINS**

Diagnostica worldwide

**human**

### LIQUID ENZYMES **NEW!**

	Linearity	Stability	(Working Sol'n)
GOT	350 U/l	expiry	4 weeks (+2 -8° C) 5 days (RT)
GPT	350 U/l	expiry	4 weeks (+2 -8° C) 5 days (RT)
LDH	3000 U/l	expiry	3 weeks (+2 -8° C) 5 days (RT)
Alk. Phosphatase	90 U/l	expiry	4 weeks (+2 -8° C) 5 days (RT)
γ-GT	300 U/l	expiry	6 weeks (+2 -8° C) 5 days (RT)
α-Amylase	8000 U/l	expiry	12 weeks (+2 -8° C) 4 weeks (RT)

Liquid convenience, liquid confidence!  
The complete line of "ready-to-use" reagents.

### ELECTROLYTES

	Linearity	Stability	(Working Sol'n)
Iron / TIBC	500 µg/100 ml	expiry (+2 -8° C) 6 weeks (RT)	
Magnesium	5 mg/100 ml	expiry (RT)	
Phosphorus	20 mg/100 ml	expiry (RT)	
Potassium	10 mmol/l	expiry (RT)	60 days (+2 -8° C) 30 days (RT)



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**cadila** introduces  
HUMAN PRODUCT RANGE



Diagnostica worldwide

CLINICAL CHEMISTRY · CONTROL SERA · INSTRUMENTS  
HUMAN ELISA LINE · IMMUNOTURBIDIMETRIC ASSAYS  
PREGNANCY · RHEUMATOLOGY · INFECTIOUS DISEASES

**cadila**  **Human**

**cadila - human**  
**PRODUCT RANGE**

**CLINICAL CHEMISTRY**

**READY-FOR-USE REAGENTS**

**LIQUID ENZYMES**

- GAMMA-GT
- GOT (ASAT) IFCC
- GPT (ALAT) IFCC

**LIQUID SUBSTRATES /**

**ELECTROLYTES**

- ALBUMIN
- BILIRUBIN DIRECT + TOTAL
- CALCIUM
- CHOLESTEROL LCF + HDL
- CREATININE
- GLUCOSE GOD PAP
- GLYCO-Hb/HbA1
- IRON LCF + TIBC
- PHOSPHORUS
- POTASSIUM
- TOTAL PROTEIN
- URIC ACID CT LCF

**LYOPHILIZED REAGENTS +**

- LIQUID BUFFER**
- ACID PHOSPHATASE
- ALKALINE PHOSPHATASE
- ALPHA AMYLASE CT EPS

CK NAC

CK-MB

HEMOGLOBIN

LDH

TRIGLYCERIDES GPO LCF

UREA UV KINETIC

**URINE TEST STRIPS**

- COMBINA 9 SG
- DIPSTICK TEST
- HEXAGON 1-STEP HCG

**INFECTIOUS DISEASES**

- HEPATITIS B LATEX
- SYPHILIS RPR TEST
- SYPHILIS TPHA TEST

**RHEUMATOLOGY**

**LATEX ND TESTS**

- Non-Dilution Method
- HUMATEX ASO
- HUMATEX CRP
- HUMATEX RF

**HUMAN ELISA LINE**

**MICROTITER METHOD**

**INFECTIOUS DISEASES**

- CMV Ab IgM + IgG

HBsAg

HIV 1/2 Ab

HSV Ab IgM

HSV 1 + HSV 2 Ab IgG

MEASLES Ab IgM + IgG

MUMPS Ab IgM + IgG

RUBELLA Ab IgM + IgG

TOXOPLASMA GONDII Ab IgM + IgG

**LAB EQUIPMENT**

HUMAPETTE

(High-precision lab pipettor)

**INSTRUMENTS**

AUTOHUMALYZER 850

(Automated Analyzer)

- HUMALYZER 2000

(Automated Photometer System)

HUMAREADER

(Automatic Microplate Reader)

- NEW

LCF – LIPID CLEARING FACTOR

CT – COLOUR TEST

**cadila**

**Human**

MARKETED BY :

# Humalyzer 815

The Humalyzer 815 is a Photometric Analyzer for Clinical Biochemistry, totally controlled by Microprocessor. Through the total Automation and Versatility of the Programming (Open System) it is introduced as the ideal Instrument not only for the Small/Medium Laboratory but for the Emergency Laboratory as well.

Compact instrument of reduced size.

Continuous flow-through peristaltic pumps. High precision and low maintenance.

1	2	3	4	5	6	7	8	9	0	RECALL
1	2	3	4	5	6	7	8	9	0	END
1	2	3	4	5	6	7	8	9	0	FACTORY
1	2	3	4	5	6	7	8	9	0	SET LONG
1	2	3	4	5	6	7	8	9	0	BY INTERNAL
1	2	3	4	5	6	7	8	9	0	MEMO
1	2	3	4	5	6	7	8	9	0	ENTER

Automatic membrane keyboard with 30 keys and 29 functions.

Direct aspiration out of the reaction tube, allowing the process controlled by the microcomputer.

# Humalyzer 815

THE ACCUMULATION OF EXPERIENCE

Photometric Auto-Analyzer for Clinical Biochemistry



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**850**  
autohumalyzer



AUTOMATED ANALYZER  
FOR CLINICAL CHEMISTRY

The patient oriented high speed  
desk-top analyzer  
for your lab

**Human**

**850**  
autohumalyzer

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Full-function on-board computer
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endpoint, kinetic, fixed-time, 1- or multipoint
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Diagnostica worldwide

**Human**



**German firm finds a Kenyan partner in Chem-Labs Services**

After the German firm Human GmbH and Kenyan partner Chem-Labs Services Ltd. announced their joint venture, the new company will offer a wide range of diagnostic services to Kenyan hospitals and laboratories. The joint venture is a result of a long-term partnership between the two companies, which has been successful in providing high-quality diagnostic services to Kenyan clients.

**Chem - Labs Services Ltd**

**PRODUCT RANGE**

- CLINICAL CHEMISTRY SYSTEMS
- IMMUNOASSAY SYSTEMS
- COAGULATION SYSTEMS
- HAEMATOLOGY SYSTEMS
- URINALYSIS SYSTEMS
- PHOTOCOPYING SYSTEMS
- LABORATORY INFORMATION SYSTEMS

**CLINICAL CHEMISTRY SYSTEMS**

- SCANNER 3000
- SCANNER 3000
- SCANNER 3000
- SCANNER 3000

**IMMUNOASSAY SYSTEMS**

- SCANNER 3000
- SCANNER 3000
- SCANNER 3000
- SCANNER 3000

**COAGULATION SYSTEMS**

- SCANNER 3000
- SCANNER 3000
- SCANNER 3000
- SCANNER 3000

**HAEMATOLOGY SYSTEMS**

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- SCANNER 3000
- SCANNER 3000
- SCANNER 3000

**URINALYSIS SYSTEMS**

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- SCANNER 3000
- SCANNER 3000
- SCANNER 3000

**PHOTOCOPYING SYSTEMS**

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**LABORATORY INFORMATION SYSTEMS**

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- SCANNER 3000

Chem-Labs offers the Products, The Price and the People!





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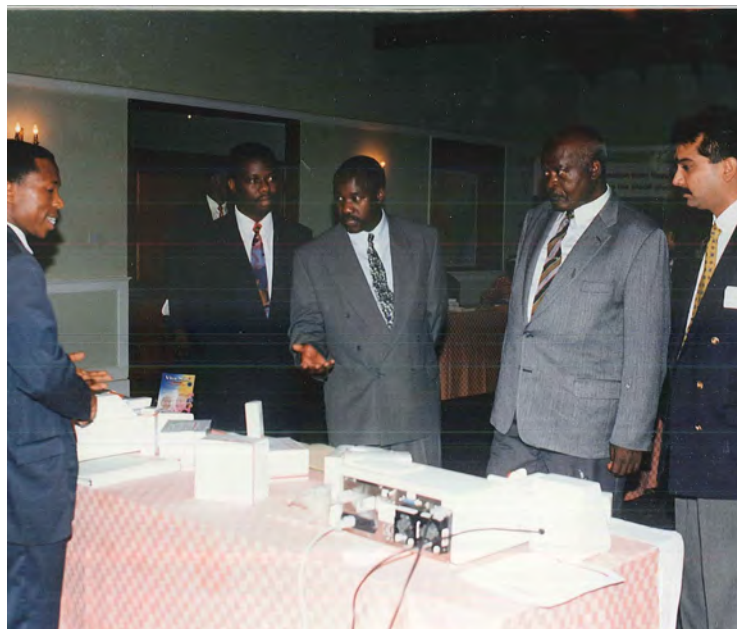
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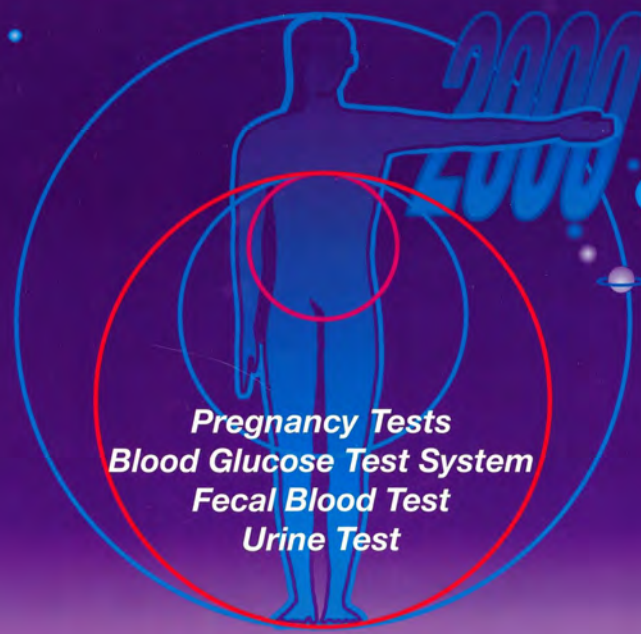






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*HUMAN  
HOME-TEST LINE*



*Pregnancy Tests  
Blood Glucose Test System  
Fecal Blood Test  
Urine Test*

For better health and longer life  
together with Human into the next millennium

Diagnostica worldwide **Human**

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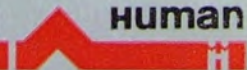




**hCG**  
**Schwangerschaftstest**  
Jubiläumsausgabe zum  
**20.000.000 - sten**  
hergestellten Test  
mit **Versaille-Blattgold-**  
auflage (23 Karat)

**hergestellt im Juni 2001**

Human GmbH  
D-65205 Wiesbaden



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