



# INTERNATIONAL PRODUCT CATALOG

# 2020



**ACON**

# ACON Timeline



1996

ACON was founded in Bethlehem, PA, USA. ACON operated in a 27,000 sq. ft. manufacturing facility.

1999

Moved to San Diego, California, USA

2001

Increased its manufacturing facility to 150,000 sq. ft. with more than 1,500 employees.

2006

Launched new product lines. ACON sold the lateral flow (LF) rapid diagnostic business in the US, Europe, Canada, Israel, Japan, Australia, and New Zealand. ACON launched new product lines including Diabetes Care, Clinical Chemistry, and Immunoassay.

2009

Expanded product lines. ACON sold the LF rapid diagnostic business in Asia, the Middle East, Africa and Latin America. ACON continued to expand its business in Diabetes Care, Clinical Chemistry, and Immunoassay.

2014

Expanded and moved to a larger facility for manufacture, R&D and business development. Our new 70,000 sq. m (750,000 sq. ft.) facility includes state of the art manufacturing equipment to supply the growing demand of the global diagnostic market. The new facility will also allow our R&D and business development teams to expand, enabling ACON to develop more innovative products to meet our customer's needs worldwide.

2016

Launched the PT/INR coagulation monitoring system in Europe and Latin America.

Your **Trusted Partner**  
*in POCT*

ACON works strategically with its sister companies to produce high quality medical products that meet and exceed the customers exacting quality expectations.

We are committed to continuously monitoring our quality systems to ensure their effectiveness and compliance to all applicable regulatory and quality requirements. Exceeding customer expectations and maintaining customer loyalty are our top priorities.



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Blood Glucose Monitoring Systems  
Lancing Devices  
Bluetooth Adapter & Apps  
Data Management Software



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# Introduction



For over 21 years, ACON has led the way in making high quality diagnostic and medical devices more affordable to people all around the world. In fact, the ACON name is well known in over 130 countries.

Headquartered in San Diego, California, the US office is the center of strategic management, administration, business development, innovative research and development. Our state of the art manufacturing facility located in Hangzhou, China is ISO13485: 2003 certified, FDA registered, and has been inspected by US FDA.

Our current product lines include Diabetes Care, Clinical Chemistry (Urinalysis and Point of Care Tests), Immunoassay, (EIA/ELISA) and Allergen. We also have a number of new products in the pipeline for introduction in the future.

**Disclaimer:**

*Some products in this brochure may not be available in all countries. Please consult with your local ACON sales representative for details.*



*Hangzhou, China*



*San Diego, California USA*

# Diabetes Care

## ACON Additional Features



### Strip Ejector

Allows the safe disposal of used test strips without contact.



### Meter Backlight and Strip Port Light

Allows to test in dark environments and aids the visually impaired to read the display clearly.



### Hypo, Hyper and Ketone Warnings

Reminds users to take the necessary actions when warning is displayed.



### Test Reminders

Maintain regular testing and insulin therapy routines on schedule.



### Meal Markers

Easily monitor before and after meal results.



### Data Averaging

Allows for quick access to trends in blood glucose levels.



### Data Management

On Call® Diabetes Management Software available via USB cable connected from meter to a PC.

## En ISO 15197:2015

ISO 15197 is the International Standard, which specifies requirements for in vitro blood-glucose monitoring systems for self-testing in managing diabetes mellitus, shown as below.

En ISO  
15197:2015  
(new)

95% of measured glucose values should fall within either  $\pm 0.83$  mmol/L ( $\pm 15$  mg/dL) of standard measurement procedure (YSI) at glucose concentrations  $< 5.55$  mmol/L ( $< 100$  mg/dL) or within  $\pm 15\%$  at glucose concentrations  $\geq 5.55$  mmol/L ( $\geq 100$  mg/dL).

ISO  
15197:2003  
(previous)

95% of measured glucose values should fall within either  $\pm 0.83$  mmol/L ( $\pm 15$  mg/dL) of standard measurement procedure (YSI) at glucose concentrations  $< 4.2$  mmol/L ( $< 75$  mg/dL) or within  $\pm 20\%$  at glucose concentrations  $\geq 4.2$  mmol/L ( $\geq 75$  mg/dL).

# Diabetes Care

At its core, the On Call® brand is committed to the health of your customers.

Carefully designed for accuracy and reliability, the On Call® blood glucose meter family has helped millions of patients worldwide effectively manage their glucose levels.



## On Call Extra

### SPECIFICATIONS & FEATURES

- 0.4  $\mu$ L - Sample size
- Results in 4 seconds
- 25 - 60% Hematocrit Range
- Auto-coding
- GOD Enzyme, no interference from maltose, galactose, etc.
- 300 test memory
- Individually foil wrapped test strips



## On Call Plus II

### SPECIFICATIONS & FEATURES

- 0.5  $\mu$ L - Sample size
- Results in 5 seconds
- 30 - 55% Hematocrit Range
- GOD Enzyme, no interference from maltose, galactose, etc.
- 300 test memory
- Individually foil wrapped test strips



## On Call Sharp

### SPECIFICATIONS & FEATURES

- 0.8  $\mu$ L - Sample size
- Results in 5 seconds
- 10 - 70% Hematocrit Range, offers advantage of Capillary and Neonatal blood testing
- Auto-coding
- GDH-FAD Enzyme, offers advantage of Venous and Arterial blood testing, no interference from maltose, galactose, etc.
- 500 test memory
- Individually foil wrapped test strips



# Diabetes Care

Successfully managing diabetes starts with a reliable meter.

By choosing an On Call® glucose meter, you can rest assured, knowing that our meters provide reliable and accurate test results for your daily diabetes management.



## On Call Vivid

### SPECIFICATIONS & FEATURES

- 0.8  $\mu$ L - Sample size
- Results in 5 seconds
- 20 - 70% Hematocrit Range, offers advantage of Capillary and Neonatal blood testing
- Auto-coding
- GOD Enzyme, no interference from maltose, galactose, etc.
- 500 test memory
- Individually foil wrapped test strips



## On Call Advanced

### SPECIFICATIONS & FEATURES

- 0.8  $\mu$ L - Sample size
- Results in 5 seconds
- 10 - 70% Hematocrit Range, offers advantage of Capillary and Neonatal blood testing
- GDH-PQQ Enzyme, offers advantage of Venous and Arterial blood testing
- 500 test memory
- Individually foil wrapped test strips



## On Call GK Dual

### SPECIFICATIONS & FEATURES

#### MEASURING KETONE:

- 1.2  $\mu$ L - Sample size
- Results in 10 seconds
- 20 - 70% Hematocrit Range

#### MEASURING GLUCOSE:

- Compatible with On Call® Chosen and On Call® Advanced test strips
- 0.8  $\mu$ L - Sample size
- Results in 5 seconds



# Diabetes Care

## Lancing Device & Lancets

### On Call GenTouch

#### SPECIFICATIONS & FEATURES

- Ergonomically designed for one hand operation
- Improved comfort for easy blood sample collection
- Built in ejector for safe and easy testing
- Color safety indicator to show lancet is loaded
- Eleven adjustable depths for personal comfort



### On Call Safety Lancets

#### SPECIFICATIONS & FEATURES

- Pressure activated safety lancets
- Needles automatically retract to ensure reliable patient protection
- Designed for single-use only to prevent re-use
- Various gauges and depths available for different blood volumes
- Available in 21G and 28G



**SAFETY LANCETS I** 21G, 28G

### On Call Lancets

#### SPECIFICATIONS & FEATURES

- Tri-beveled needles
- Available in 26G and 30G



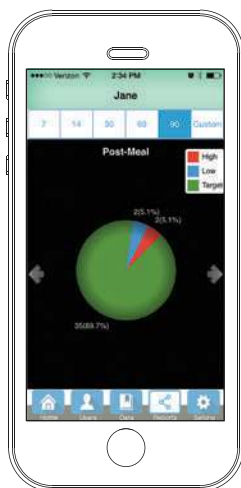
**LANCETS** 26G, 30G



# Diabetes Care



CELL PHONE



METER

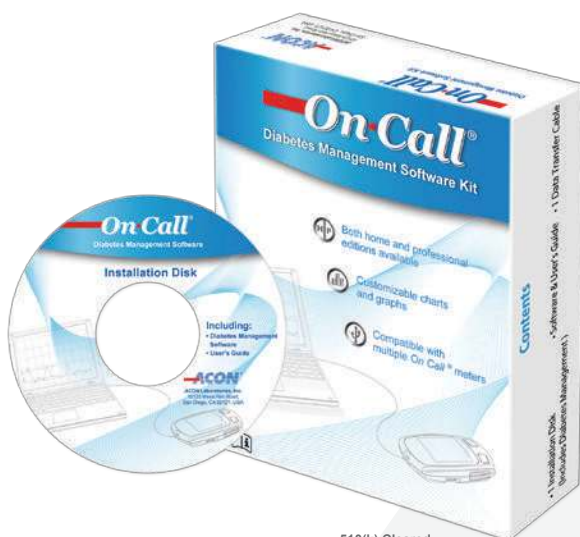


## Data Management

### On Call Bluetooth Adapter

#### SPECIFICATIONS & FEATURES

- For the wireless transfer of glucose readings from your On Call® meter to a mobile device
- Bluetooth 4.0 low energy technology
- Compatible only with On Call® meters
- Compatible with On Call® Anywhere Diabetes Manager app for iOS



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### On Call PC Software

#### SPECIFICATIONS & FEATURES

- Both home and professional editions available
- Customizable charts and graphs
- Compatible with all On Call® meters

# Clinical Chemistry

The Mission® brand of point of care meters, analyzers and test strips are known throughout the world for their quality, ease of use and outstanding performance.

Covering the testing spectrum from hematology to lipids and coagulation to urinalysis one can be assured when using a Mission® brand product to expect only accurate results. Ergonomically designed with the end user in mind, the Mission® brand exudes confidence, accuracy, durability and a peace of mind that you would expect from a diagnostic instrument.



## ACON Additional Features



### Small Sample Size

Requires less than 35µL of capillary or venous blood.



### Portable

Handheld meter using AA or AAA batteries or AC adapter.



### Sample Type

Capillary or venous whole blood, serum or plasma.



### Cardiac Risk

Ideal for cardiac risk or cardiovascular disease testing and/or monitoring.



### Clinical Accuracy

ISO 17593 compliant or CRMLN certified.



### Strip Ejector

Allows the safe disposal of used test strips without contact.

# Hematology



CE 0123

## *Mission Hb*

### **SPECIFICATIONS & FEATURES**

- 10  $\mu$ L of capillary or venous whole blood
- Precise results equivalent to automatic hematology analyzers
- Wide Hb measurement range of 4.5 - 25.6 g/dL with Hct range of 13 - 75% g/dL
- Small, handheld design for testing at point of care
- Strips/devices can be stored at room temperature (2-30°C)
- Capillary and venous blood
- Get Hemoglobin (Hb) and Hematocrit (Hct) results in 15 seconds
- Reflectance Photometry



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## *Mission Plus Hb*

### **SPECIFICATIONS & FEATURES**

- 10  $\mu$ L of capillary or venous whole blood
- Precise results equivalent to automatic hematology analyzers
- Wide Hb measurement range of 4.5 - 25.6 g/dL with Hct range of 13 - 75% g/dL
- Small, handheld design for point-of-care / bedside testing
- Strips/devices can be stored at room temperature
- Capillary and venous blood
- Get Hemoglobin Hb and Hematocrit (Hct) results in 15 seconds
- Reflectance Photometry



# Lipids

## Mission Ultra Cholesterol

### SPECIFICATIONS & FEATURES

- 4  $\mu$ L Capillary whole blood
- Total CHOL results in as little as 15 seconds
- Biosensor technology for direct sampling application
- Memory for 200 results
- Operated in battery or standard AC adaptor mode



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### STRIP DETAILS

Strip ejector to avoid contact with used test strips



## Mission Cholesterol Meter

### SPECIFICATIONS & FEATURES

- 10  $\mu$ L (individual test), 35  $\mu$ L (3-in-1 lipid panel test)
- Results in  $\leq 2$  minutes
- Capillary or venous whole blood, serum or plasma
- Accuracy comparable to laboratory analyzers
- Reflectance Photometry



CE 0123



### MISSION CHOLESTEROL METER FEATURES

- Large, easy-to-read display
- Fast, reliable lipid test results
- Compact, ergonomic design
- Memory, stores up to 200 results

### MISSION CHOLESTEROL 3 IN 1 LIPID TEST

3 IN 1

- Tests for the complete lipid panel
  - Total Cholesterol (CHOL)
  - High-Density Lipoprotein (HDL)
  - Triglycerides (TRIG)
  - Calculated Low-Density Lipoprotein, CHOL/HDL ratio
  - Cardiac Risk Assessment (CHD)
- 18-months extended shelf life
- Room temperature storage
- Individually pouched test devices preserve stability

# Coagulation



## Mission PT/INR

### SPECIFICATIONS & FEATURES

- Single 15  $\mu$ L drop of capillary or venous whole blood
- Results in 2 minutes
- 0.7 - 7.0 INR measurement Range
- 25-60% Hematocrit range
- Provides quick results for PT (Prothrombin Time) and INR (International Normalized Ratio)
- 200 test memory
- 24-month strip shelf life
- Portable and light weight for testing in any location
- Operates in battery or standard AC adaptor mode



## Mission Lancing Device

### SPECIFICATIONS & FEATURES

- The Mission<sup>®</sup> Lancing Device is designed for use with the Mission<sup>®</sup> Lancets
- Ergonomically designed for single handed operation
- The Mission<sup>®</sup> Lancing Device provides improved comfort for easy blood sample collection and has a built-in ejector for safe and easy testing.



## Mission Capillary Transfer Tubes

### SPECIFICATIONS & FEATURES

- The Mission<sup>®</sup> Capillary Transfer Tubes are designed with a single glass capillary tube inside a plastic outer housing and bulb
- Available in either 10 $\mu$ L or 35  $\mu$ L preset volumes, these capillary transfer tubes are ideal for use with the Mission<sup>®</sup> Hemoglobin, Mission<sup>®</sup> Plus Hemoglobin and Mission<sup>®</sup> Cholesterol Testing Systems

# Urinalysis

## *Mission U120 Smart Urine Analyzer*

### **SPECIFICATIONS & FEATURES**

**TYPE:** Semi-automatic

**METHODOLOGY:** Reflectance photometry

**THROUGHPUT:** 60 test/hour in single mode and 120 test/hour in continuous mode

**STRIP COMBINATIONS:** 14 including microalbumin and creatinine

**LOCKOUT FUNCTIONS:** Strips, QC and user

**MEMORY:** 2,000 results

**SOFTWARE LANGUAGES:** English, French, Italian, Portuguese and Spanish



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## *Mission U120 Ultra Urine Analyzer*

### **SPECIFICATIONS & FEATURES**

#### **ADVANCED TECHNOLOGY**

**TYPE:** Semi-automatic

**METHODOLOGY:** Reflectance photometry

**STRIP COMBINATIONS:** 17 including microalbumin and creatinine

**THROUGHPUT:** 55 test/hour in single mode and 120 test/hour in continuous mode

**TEST MODES:** Quick, full and customized

**LOCKOUT FUNCTIONS:** Strips, QC and user

Set abnormal ranges to automatically flag abnormal results for microscopy or confirmatory testing

**TOUCHSCREEN INTERFACE CONNECTIVITY:** Via Bluetooth USB and RS232

**SOFTWARE LANGUAGES:** 14 including English, French, German, Portuguese and Spanish



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## *Mission U500 Improved Urine Analyzer*

### **SPECIFICATIONS & FEATURES**

**TYPE:** Semi-automatic

**METHODOLOGY:** Reflectance photometry

**STRIP COMBINATIONS:** 15 including microalbumin, creatinine and ascorbic acid.

**THROUGHPUT:** up 500 test per hour

**LOCKOUT FUNCTIONS:** Strips, QC and user ability to enter urine color and clarity

**SOFTWARE LANGUAGES:** 8 including English, French, German, Italian, Portuguese and Spanish



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# Urinalysis



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## *Mission U031 Urine Test Strips*

### **SPECIFICATIONS & FEATURES**

- Strips combinations with up to 14 parameters
- Parameters available include microalbumin, creatinine, ascorbic acid and calcium
- Analytical sensitivity comparable to the market leader
- High quality color chart ensures accurate visual reading
- Over 35 different combinations available
- 2 year shelf life for unopened canisters



CE 0123

## *Mission Expert U034 Urine Test Strips*

### **SPECIFICATIONS & FEATURES**

- Uniquely designed without laminated mesh overlay for competitive pricing



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## *Mission Microalbumin/Creatinine Urine Test Strips*

### **SPECIFICATIONS & FEATURES**

- Detects Albumin as low as 10 mg/L
- Detects Creatinine as low as 10 mg/L
- 60 seconds for Microalbumin and Creatinine results
- Provides better sensitivity than measuring Protein alone
- Quickly identifies patients who are at risk for developing early kidney disease
- Random testing – no need for a 24-hour urine protein test

# Urinalysis

## *Mission UTI Test Strips*

### **SPECIFICATIONS & FEATURES**

- Screens for possible Urinary Tract Infections (UTI)
- Detects Nitrites (NIT) and Leukocyte (LEU) in urine
- 60 seconds for Nitrite results
- 120 seconds for Leukocyte results
- Simple at home test
- Easy to perform and read



## *Mission Urine Controls*

### **SPECIFICATIONS & FEATURES**

- Use with *Mission*® and *Mission*® Expert Urinalysis Reagent Strips and *Mission*® Urine Analyzers for optimum quality control
- Ensures accurate results for all 14 parameters
- 24 month shelf life at 2 – 8°C
- 2 Packaging Options
  - Dropper bottles
  - Driptubes





# Alcohol Testing



## Mission Breath Alcohol Detectors

### SPECIFICATIONS & FEATURES

- Results in 2 minutes
- Semi-quantitative
- Available in 0.02%, 0.04%, 0.05%, 0.06%, 0.08%, and 0.10%
- Test is easy to perform and interpret
- 3 year shelf life at room temperature



## Mission Saliva Alcohol Test Strips

### SPECIFICATIONS & FEATURES

- Results in 2 minutes
- Enzymatic Reaction
- Single strip detects concentrations of 0.02 – 0.30% BAC
- Test is easy to perform and interpret
- 18 month shelf life at room temperature

# Immunoassay

## Foresight ELISA Test Kits

### SPECIFICATIONS & FEATURES

#### HIGH QUALITY:

- High sensitivity and specificity
- High reproducibility
- Consistent and reliable performance

#### EASY TO USE

- Standardized, color-coded and numbered reagents
- Ready-to-use reagents

#### CONVENIENT

- All necessary reagents provided
- Breakaway 8-well strips per 96-microwell plate in a re-sealable foil pouch
- Long shelf life

#### TEST AVAILABLE

**INFECTIOUS DISEASE:** H. pylori Ag & IgG, HBcAb, HBcAb IgG, HBeAb, HBeAg, HBsAb, HBsAg, HCV, HEV IgM, HIV 1/2/O Ab, HIV 1/2/O Ab/Ag, HTLV I/II, Syphilis

**THYROID:** TSH, Total T4 and Total T3

**ToRCH:** Toxoplasmosis, Rubella, CMV, HSV 1, 2 and ½

**FERTILITY:** Rapid hCG, hCG, LH, FSH, PRL

**TUMOR MARKERS:** AFP, CEA and Total PSA

#### ALL TESTS ARE CE MARKED EXCEPT FOR THE FOLLOWING:

HBcAb, HBcAb IgG, HBeAb, HBeAg, HBsAb, HBsAg, HCV, HIV 1/2/O Ab, HIV 1/2/O Ab/Ag, and HTLV I/II.



## Foresight Allergen Test Kits

### SPECIFICATIONS & FEATURES

#### HIGH QUALITY:

- High sensitivity and specificity
- Consistent and reliable performance

#### EASY TO USE

- Ready-to-use reagents shorten initial prep time
- Test 30 allergens per strip with only 250µL of serum

#### CONVENIENT

- Results and evaluation in 2 1/2 hours
- Shelf life of 24 months

#### TEST AVAILABLE:

Derm. pteronyssinus, Derm. farinae, Short ragweed, Mugwort, Cat dander, Dog dander, Cockroach, Penicillium Chrysogenum, Cladosporium Herbarum, Aspergillus Fumigatus, Alternaria Alternata, Japanese Hop, White Oak, Elm, Sycamore, Willow, Cottonwood, Egg white, Cow's milk, Fish, Shrimp, Crab, Beef, Mutton, Cashew nut, Peanut, Soybean, Mango, Wheat, Total IgE



# Veterinary Diagnostics



Veterinary Products Designed  
for our Animal Companions



## CentriVet Glucose/Ketone Meter

### SPECIFICATIONS & FEATURES

- Sample Size: Glucose 0.8  $\mu$ L,  $\beta$ -Ketone 1.2  $\mu$ L
- Test Range  $\beta$ -Ketone: 0 – 80 mmol/L
- 20-60% Hematocrit Range for both Glucose and  $\beta$ -Ketone
- 450 test memory
- Calibrated specifically for Bovine, Canine, and Feline testing

Bovine 

Canine 

Feline 



## CentriVet Urine Reagent Test Strips

### SPECIFICATIONS & FEATURES

**TEST PARAMETERS:** LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU

- 60 seconds to results for most parameters
- Clinically proven accuracy
- Available in 100 strips per canister
- 90 days use life in opened canister

ACON works strategically with its sister companies to produce high quality medical products that meet and exceed the customers exacting quality expectations.

We are committed to continuously monitoring our quality systems to ensure their effectiveness and compliance to all applicable regulatory and quality requirements. Exceeding customer expectations and maintaining customer loyalty are our top priorities.

ACON LABORATORIES, INC.

Your **Trusted Partner**  
*in POCT*



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