

# Introducing the cobas® pulse system

Next level glucose management.  
And more.







# Surprisingly different.

The smart professional glucose system with advanced performance and selected mobile health apps, designed to make your life easier.



reddot winner 2021

Next level performance

A part of your lab.  
Just at the Point  
of Care.

## The best performance you can trust

- Advanced accuracy according to the newest CLSI guideline – reliable results for all patient populations, including neonate and intensive care patients<sup>1,3</sup>
- No interferences impacting the results<sup>3</sup> – a unique test strip architecture and a new algorithm
- Cutting-edge technology – the best blood glucose system, we have ever built

## No interferences to impact the results

The only device on the market that meets all CLSI POCT12-A3<sup>1</sup> criteria.

### Evaluation of:

- Hematocrit
- Skin Disinfectants
- 142 endogenous and exogenous interferences tested (many more assessed)
- High ascorbic acid concentration
- Oxygen

### Guidelines adopted:

- FDA Guidance for Industry: Blood Glucose Monitoring Test Systems for Prescription Point-of Care Use (2020)
- CLSI EP07-A3/EP37
- ISO 15197:2013

**cobas® pulse is fit for use in any hospital environment and on all patient populations.<sup>3</sup>**

View the results of the  
multi-center evaluation study

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# Meet cobas®pulse. Advanced accuracy at the Point of Care.

The only device on the market to meet all  
CLSI POCT12-A3 criteria.

## 95%

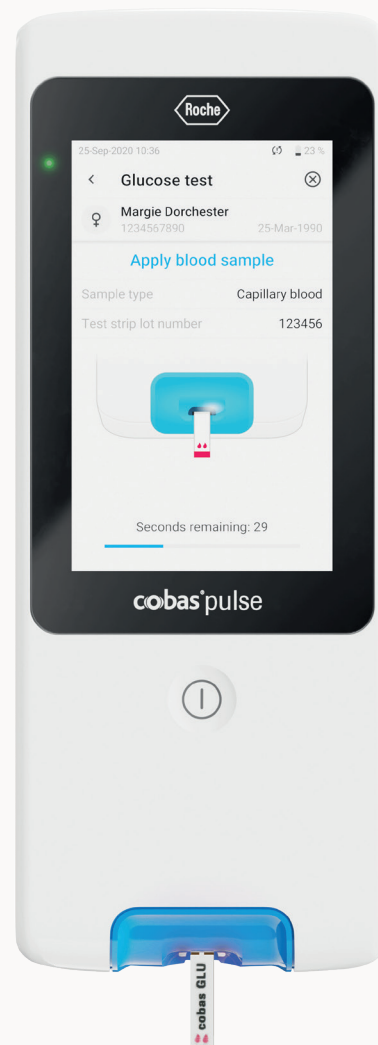
within  $\pm 12$  mg/dL  
( $\pm 0.67$  mmol/L) / 12.5%  
for neonate heel stick  
wholeblood<sup>1,2</sup>

## 99.4%

within  $\pm 12$  mg/dL  
( $\pm 0.67$  mmol/L) / 12.5%  
for capillary whole  
blood<sup>1,2</sup>

## 100%

fulfilment of  
CLSI POCT  
12-A3 criteria<sup>1,2</sup>



## Next level simplicity

# A powerful multi-tool to get your work done.

### Simple to learn

**cobas® pulse** is as easy to use as your smartphone. Helping you to make daily operations more efficient and train new staff faster.

- Intuitive Android™ based interface
- WLAN, Bluetooth, RFID/NFC
- Device-guided test process with color changes between each step ensures fast and easy operation

### Simple to use

**cobas® pulse** relieves the pressure on medical staff while improving patient experience through smart features and intelligent apps that make everyone's life easier.

- Easy badging log-in for full compliance
- Strip port lighting for dim locations
- Automatic strip release to help reduce the risk of contamination<sup>4</sup>
- Customizable with selected mobile health apps

### Simple to take care of

**cobas® pulse** is a high-performing connected medical device designed for intense environments. Accidental drops from 2 meter or cleaning it repeatedly – the easy-to-service multi-tool built to handle daily challenges with ease.<sup>4</sup>

- Robust design, easy to disinfect with no exposed contact points, tested against 12k cycles of cleaning and disinfections<sup>4</sup>
- Wireless and fast charging
- High serviceability and access to mobile health apps with **navify®** Integrator
- Greater operational effectiveness through better device, operator and results management with **navify®** POC Operations<sup>5</sup>

Watch **cobas® pulse** at work  
and experience the next level

QR-Code

## Next level connectivity

# Digital power to help free up clinicians' time.

Clinicians worldwide face increasing pressures working within overburdened and under-resourced healthcare systems. Partnering with a network of innovative companies, we harness the power of digital advancements to empower doctors and nurses to perform and coordinate their work more efficiently and effectively.

### Mobile health apps to help you reinvent care delivery.

By enhancing **cobas® pulse**, with a growing suite of Roche and third-party apps\*, we provide clinicians with the tools to make informed decisions, communicate seamlessly, document accurately, conduct offline tests, analyze digital biomarkers, monitor vital signs, collect data, and more.

### Your benefits:

- Optimize treatments and aid decision-making with data-driven health insight
- Enhance clinical workflows and administrative tasks
- Foster collaboration and communication

### Experience a powerful connected system to raise your operational efficiency.

Together with our **navify®** POC digital solutions, you gain a powerful connected system that let's you stay in control and take full advantage of your integrated POC devices.

\*The use of any third-party app is subject to a separate license agreement with the respective third-party app developer. Roche gives no warranties (express or implied) concerning any third-party app. Third-party apps might not be available in your country.

Visit the **navify® Marketplace** to  
view all mobile health apps

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# There are many reasons for cobas® pulse.

0.5 bn

people worldwide are living with diabetes – a figure that is projected to surge by 46% to 0.73 billion by 2045<sup>6</sup>

30–80%

of intensive care patients experience stress-induced hyperglycemia with a prevalence reaching up to 80% among surgically treated cardiac patients<sup>7</sup>

30%

of patients who experience intra- and/or postoperative hyperglycemia do not have a history of diabetes before surgery<sup>8</sup>

up to 15%

of newborns experience hypoglycemia posing serious health risks if left unrecognized and untreated<sup>9</sup>

79%

of infants with hypoglycemia exhibited no medical symptoms raising the need for high performing diagnostics to ensure early intervention<sup>10</sup>

approx. 21m

women (16.7%) giving live birth in 2021 had some form of hyperglycemia in pregnancy<sup>6</sup>

10m

healthcare workers are projected to be missing worldwide by the year 2030 according to the latest World Health Organization's (WHO)<sup>11</sup>

93%

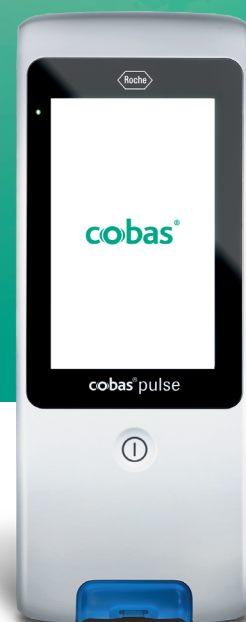
of clinicians agree that applying automation to remedy time-intensive documentation processes will be beneficial<sup>12</sup>

48%

of clinicians say that generative AI tools to help make clinical decisions will be desirable in the next 2–3 years<sup>13</sup>

Time for next level  
glucose management.  
And more.

Time for cobas® pulse.



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