SDC WellCare

Daedeok Innopolis · Daejeon, Korea

COMPANY & SERVICE BROCHURE
2026



URINE-BASED CHRONIC CARE

Health management that starts with one urine test

The YOCHECK urine chemistry analyzer and HealthSync Pro connect testing, analysis and clinician follow-up in one continuous flow.

YOCHECK®

Urine chemistry analyzer
MFDS Class 2 · 11 parameters

HealthSync Pro

AI health-management platform
Checkups & vital signs, integrated

ABOUT SDC WELLCARE

AI that fills the gaps in care, SDC WellCare

For about five years we ran “Seoul Day Care Center,” a day-and-night care facility for 80 residents, and saw that health monitoring there still stopped at “a list of numbers.” To fix this with data, we founded SDC WellCare in April 2025 as a research institute company in Daedeok Innopolis, combining field experience, Hanbat National University technology and our own AI engine into preventive care from testing to action.

MISSION

“AI that fills the gaps in care”

We reduce the nursing and care burden in care settings with data, and enable preventive care that spots a decline in health before it becomes serious.

No. 2145

Research Institute Company

Registered Nov 2025 · Daedeok Innopolis

7 patents

2 registered · 5 filed

5 filings on a longitudinal health-data AI engine

Class 2 IVD

MFDS-approved · No. 25-4245

YOCHECK YC-11 for self-testing

5 years

Running a care facility

Day-and-night care center for 80 residents

3 sites

Daejeon · Sejong · Seoul

R&D, manufacturing and sales

Japan · Vietnam

Pilot · 2 export/import MOUs

Now recruiting Central Asian partners

The question that started in the field

BEFORE · List-of-numbers monitoring

- Vitals listed in tables (BP, pulse, temperature, breathing)
- Every resident’s values checked line by line
- 80 residents × 5 items = about 400 checks a day

→

AFTER · Priority-based monitoring

- AI sorts consecutive and multi-item abnormalities automatically
- Staff review only the “priority care” residents first
- e.g., 5 of 62 residents (8.1%) flagged

Track record in 17 months

2025.04	Company founded (SDC WellCare)
2025.08	HQ moved to Daedeok Innopolis · exclusive license agreed for Hanbat Univ. patent
2025.11	Registered as Research Institute Company (No. 2145)
2025.12	First-year revenue KRW 102 million · operating profit
2026.03	Selected for LIPS II · corporate R&D center approved · KRW 100 million seed investment
2026.04	Selected for government-funded research institute convergence pilot (Daejeon TP)
2026.05	Certified as venture company · moved into Sejong Technopark
2026.07	Selected for Startup City Development Project
2026.09	YOCHECK manufacturing license & GMP transferred · pilot started at Japanese care facility · 2 Vietnam export/import MOUs · 5 patent filings

Daejeon · Daedeok Innopolis

HQ · corporate R&D center

R&D · management · AI engine

Sejong · Technopark

Manufacturing & testing site

GMP production · device-link testing

Seoul · Startup Hub

Sales office

Metropolitan-area sales

WHY URINE MONITORING

BP and glucose are checked at home, urine tests still happen in the clinic

Guidelines recommend regular urine testing, but actual testing rates are low. The bottleneck is less test accuracy than the act of getting tested at all.

17.34 M

In a Korean health-screening cohort, proteinuria was linked to higher mortality risk.

PLoS ONE 2018

13% → 53%

Completion of UACR testing within 100 days in hypertensive patients after home urine testing was introduced (13% under usual care).

Am J Kidney Dis 2026

8.4%

Prevalence of chronic kidney disease among Korean adults — 26.5% in those aged 70 and over.

Korean Society of Nephrology · NHIS

86.1%

Share of people aged 65+ with at least one chronic disease (2.2 on average).

Ministry of Health and Welfare, Elderly Survey

The guidelines are clear

- KDIGO 2024: at-risk groups should have albuminuria and GFR assessed at least once a year
- ADA: annual UACR for type 2 diabetes from diagnosis
- The national health screening also includes urine protein, creatinine and eGFR

VS

Reality is different

- Only about 13% of hypertensive patients get a UACR test (usual care)
- Even among people with diabetes, about 30%
- It is hard to collect urine on the spot in a busy clinic workflow

Our approach — testing into daily life, results into action

1

At home, in ~5 seconds

Test yourself at home, in primary care or at a screening center — no laboratory needed.

→

2

Read the trend

Not a single number: changes from your own baseline accumulate in the app.

→

3

Link to care

When signals persist, they are organized into a report that leads to a clinician consultation.

Why now — three forces have aligned

1 Technology

- Smart devices and AI-based reading and analysis have matured
- Results accumulate in an app and become a personal trend

2 Evidence

- KDIGO 2024 explicitly recognizes point-of-care testing (POCT)
- Overseas research shows home urine testing raised testing rates almost fourfold

3 Regulation

- Self-test IVD classification clarified in Korea (Nov 2025)
- Self-test performance-evaluation guideline (Jun 2026) · Digital Medical Products Act in force (Jan 2025)

Sources: KDIGO 2024 CKD Guideline · ADA Standards of Care 2025 · Kwon Y, et al. PLoS ONE 2018 · Zafar W, et al. Am J Kidney Dis 2026;87(3) · Korean Society of Nephrology 2025 · National Health Insurance Service · Ministry of Health and Welfare, 2023 Survey of Older Koreans

YOCHECK®

About 5 seconds at home, 11 urinalysis parameters

An MFDS Class 2 in-vitro diagnostic device for self-testing. One strip measures 11 parameters, and results build up in the app for each user.

MFDS Class 2 IVD · Korea GMP · Vietnam Class B



Easy at home
No lab needed

~5-second reading
Fast results

Portable design
Anywhere, anytime

11 parameters at once
From a single strip

11 measured parameters

Kidney · Urinary	Protein PRO · Blood BLD · Specific gravity SG · pH pH
Glucose · Metabolism	Glucose GLU · Ketones KET
Urinary infection	Leukocytes LEU · Nitrite NIT
Liver · Bile duct	Bilirubin BIL · Urobilinogen URO
Interference check	Vitamin C VC

※ The grouping is for ease of understanding and does not imply a diagnosis.

How to use

1. **DIP** — Dip the test strip in urine
2. **INSERT** — Insert the strip into the device
3. **READ & SYNC** — Results appear in about 5 seconds and are logged in the app

Vitamin C interference check — Measuring vitamin C (ascorbic acid) lets users check for possible false-negative interference in blood, glucose, bilirubin and nitrite results.

Product specifications

Product	YOCHECK YC-11
Classification	Class 2 in-vitro diagnostic device for self-testing (MFDS No. 체외 제인 25-4245)
Method	Photometric reflectance reading of reagent-pad color change, with lot calibration
Connectivity	Smartphone app — results and personal longitudinal trend
Where to use	Home · primary care · screening centers (no laboratory, technician or dedicated space needed)

MFDS Class 2 approval
MFDS No. 25-4245

IVD device GMP
KCL-CABABE-28072

Vietnam Class B declaration
260001118/PCBB-HCM

SERVICE CONCEPT

Today’s test results build tomorrow’s health

Integrates YOCHECK urine-chemistry data with health-checkup, vital-sign and lifestyle data, then returns AI-analyzed changes as a personalized report.

1 · MEASURE — Measure

YOCHECK test

- One urine sample, 11 parameters
- Results sent to the app in about 5 seconds

2 · INTEGRATE — Integrate

Diverse health data

- Health-screening data (up to 10 years, accumulated)
- Vital signs (BP, heart rate, body composition, etc.)
- Lifestyle (exercise, sleep, diet, etc.)

3 · ANALYZE — Analyze

AI analysis & prediction

- Abnormal-signal detection
- Health-trend analysis
- Disease-risk prediction
- Personalized care guidance

4 · ACT — Act

Personalized report

- Health score · items needing attention
- Practical lifestyle guidance
- Referral to a clinician when signals persist

↺ It does not end at the report — back to measuring again. The more results accumulate, the sharper the personal baseline

Five care domains

Kidney health
Early check of protein, blood and other signals

Diabetes · Metabolism
Tracking glucose, ketones and more

Cardiovascular
Integrated screening and vital-sign analysis

Disease risk
AI-based personal risk analysis

Custom guidance
Lifestyle improvement guidance

HealthSync Pro, read from the concept map



Personalized health report (concept image)
Health score and “items needing attention” on one screen

INSIGHT 01

A loop, not a one-off test

Measure → integrate → analyze → act → measure again. The value lies less in the accuracy of one device than in the personal trend that builds up over time.

INSIGHT 02

Context for every urine result

Urine chemistry is overlaid with health-screening data, vital signs and lifestyle, so the same number is read as “change from my own baseline.”

INSIGHT 03

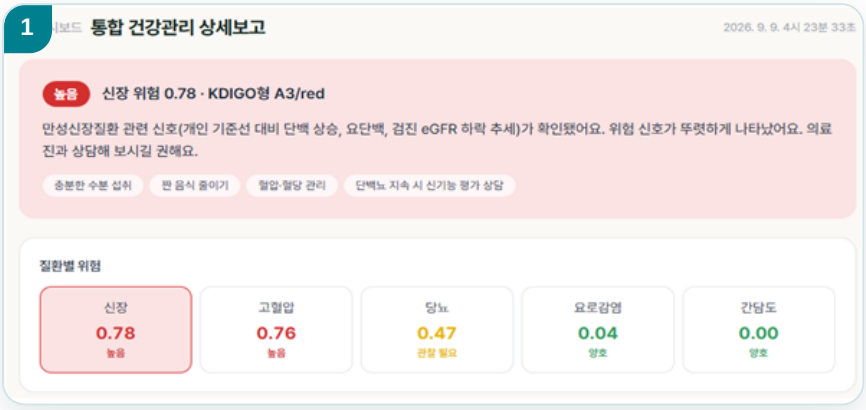
From numbers to next steps

Results become a score, items needing attention and practical guidance — and persistent signals are routed to a clinician consultation.

INSIDE THE APP

Not a list of numbers — changes and risk signals shown clearly

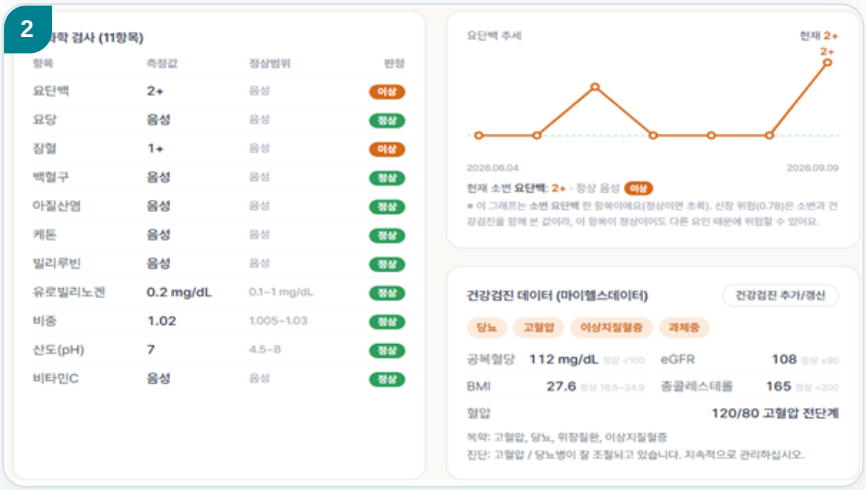
Actual HealthSync Pro management screens. Read urine results, health checkups and disease-specific risk as one flow.



SCREEN 01

Integrated health report

Combines rising urine protein with a falling eGFR trend from health checkups to flag kidney risk. Compares kidney, hypertension, diabetes, urinary-infection and liver/bile-duct risk at a glance, with practical guidance.



SCREEN 02

11 urine parameters + trend

See each value, reference range and result in a table, plus a urine-protein trend graph and health-checkup (MyHealthData) data on one screen.



SCREEN 03

Health-checkup trend

Compares two or more checkups over time. Even if today's value is normal, a worsening trend (e.g., eGFR 126 → 108) is flagged early.

※ Screens use sample data and show the Korean-language interface; they may change as the service evolves. Risk scores and reports are reference information for health management, not a diagnosis.

AI ENGINE & IP

One engine, five patent rights

We designed an AI engine that reads longitudinal health-checkup data and vital signs, and filed patents on five core algorithms.

Patent portfolio P1–P5

Common base Longitudinal checkup sequence → time-series deep learning → disease co-occurrence graph

P1 **Dynamic prediction** — HealthSync Pro
Protects key parameters while updating on each new checkup
Application No. 10-2026-0171529

P2 **Multi-disease prediction** — HealthSync Pro
Predicts 15 diseases at once with expected onset timing
Application No. 10-2026-0175131

P3 **Explanation** — All products
Ranks contributing factors to show what to improve and by how much
Application No. 10-2026-0175132

P4 **Health-status alerts** — WellCare AI
Four-level graded alerts fusing checkups and daily vital signs
Application No. 10-2026-0175133

P5 **Biological age** — WellCare AI
Aging index across 7 health domains linked to tailored care
Application No. 10-2026-0175762

System architecture

Collect	Health checkups · care-facility medical devices · home measuring devices · urine analyzer
Format	HL7 FHIR R4 conversion · missing-value correction · two-stage outlier detection
AI engine	Time-series prediction → disease-relation graph correction → explanation → alerts & biological age
Services	WellCare AI (care facilities, families) · HealthSync Pro (individuals, screening centers, insurers)
Connect	Care-facility systems · senior-care platforms · Japanese care-site systems (two-way FHIR)

External validation plan — About 14 weeks in total

- 1-1 Spec freeze
- 1-2 Retrospective test
- 1-3 Ablation test
- 1-4 Safety & ops

How we differ from existing approaches

Category	Existing technology · services	SDC WellCare
Data	Single-point checkup or single sensor signal	Multiple years of checkups combined with daily vital signs
Disease links	Independent prediction per disease	Co-occurrence graph reflects related-disease risk together
Explanation	Risk score or single-indicator contribution	Combined ranking of 3 contribution types + “what to improve”
Field workflow	Lists of numbers	Tiered recipients · automatic priority-care selection

Operating principles for trust

Non-medical wellness service
Reference information only — no diagnostic or prescriptive wording. Device status is confirmed through MFDS pre-consultation.

Explainable AI
Results come with a ranked explanation of contributing factors, kept as an audit record.

Clinical follow-up by design
Persistent signals become a report that leads to a consultation at the facility the user chooses.

※ 10-2797570 is held by Hanbat National Univ.; exclusive-license registration pending. 5 filings under examination; external validation planned.

LET'S BUILD TOGETHER

Looking for partners to grow with us

Building on validation in Korea, we are expanding in Japan and Vietnam and are recruiting partners in Central Asia, including Kazakhstan and Azerbaijan.

Supply & partnership models

Screening centers

Post-checkup care packages that continue after the results

Insurers · Employers

Linked to member and employee wellness programs

Care facilities · Primary care

Facility subscription (SaaS) + devices + consumables + reports

Engine licensing

Prediction-engine API for business systems and screening centers

Global expansion

JAPAN

Japan

Pilot → joint business

- Pilot at a care facility with Japan Life Support (Osaka), 15 Sep 2026 – 14 Sep 2027
- Linked to J-SCORE (Japan Senior Enterprise support organization) to widen PoC sites

VIETNAM

Vietnam

Export → local distribution

- YOCHECK Class B medical device declaration completed
- 2 export/import MOUs with Vina Healthcare and Hello Pet (Sep 2026)

CENTRAL ASIA

Kazakhstan · Azerbaijan

Registration planned · partners wanted

- Registration planned in EAEU (Kazakhstan) and Azerbaijan
- Seeking distribution/import and regulatory partners

Areas of cooperation sought

- Distributor / importer for Kazakhstan (EAEU) and Azerbaijan
- Regulatory partner with IVD registration experience (incl. authorized representative)
- Private laboratory networks, pharmacy chains and screening centers (consumables supply)
- Clinical collaboration on home-based urine screening
- OEM supply or local assembly (open to discussion)

Cooperation network

Hanbat National University · Daejeon Technopark · Wonju Medical Device Industry Agency · Yonsei Medical Center · Korea Innopolis Foundation · Japan Life Support · J-SCORE · Vina Healthcare · Hello Pet

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YOCHECK

WellCare AI

YOCHECK YC-11 is an in-vitro diagnostic medical device for self-testing. Read the instructions for use before use. Test results and HealthSync Pro reports are reference information for health management and do not replace diagnosis or treatment by a physician. If you have abnormal findings or symptoms, consult a healthcare professional. Market and statistical figures are based on published literature, with sources shown at each item. Product images and service screens in this brochure are illustrative (sample data) and may differ from the actual product.