

SUBMISSION 130663 SCHEDULES

Schedules for Submission 130663

SCH 1

SCD | SMART CONTRACEPTIVE DISPENSER



simplecheck

Simple, Accessible Health and Wellness

Push Here

AVAILABLE CONTRACEPTIVE DEVICES



CONTRACEPTIVE DISPENSING MACHINE



simplecheck

The contraceptive dispensing machine is an adaptation of a Simple Check device.

This version is more compact to fit in public restrooms, has been retrofitted with a blood pressure monitor and a triple power supply system, with a backup generator, solar panels and wind turbines.

INSPIRATION

SCH 2

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simplecheck

Simple, Accessible Health and Wellness

Push Here

1



WELCOME, JOANA!
HOW CAN I HELP YOU?

BIENVENIDA, JUANA
¿LE PUEDO AYUDAR EN ALGO?

Instructions for using the dispenser are displayed on the digital screen, with audio options in English, Spanish, French, Italian, German, Portuguese and Mandarin.

The user can also use the digital screen to answer the self-screening questionnaire to find out if they are eligible to use any of the available contraceptives. The test result is displayed in real time.

2



A custom blood pressure sensor allows the user to check whether their blood pressure qualifies them for certain types of contraceptives or not, eliminating the risk of side effects. The result appears on the digital screen in real time.

3



The keyboard can be used for purchases without an access card, using individual passwords provided by the organizations or pharmacies that manage the machines.

4



The card machine is used for access by users who have an access card. The cards are provided by the organizations or pharmacies that manage the machines and are individual and non-transferable, as they have a secret password and cannot be used by other people.

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SCH 3

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1 **Hormonal Contraceptive Self-Screening Questionnaire**

Name: _____ Date: _____
 Date of Birth: _____ Age: _____ Weight: _____ Do you have health insurance? Yes / No
 What was the date of your last woman's health check? _____
 Any Allergies to Medications? Yes / No If yes, list them here: _____

Background Information:

1. Do you think you might be pregnant now? Yes ☐ No ☐
 2. What was the first day of your last menstrual period? / /
 3. Have you ever taken birth control pills, or used a birth control patch, ring, or shot/injection? Yes ☐ No ☐
 4. Did you ever experience a bad reaction to using hormonal birth control? Yes ☐ No ☐
 5. If yes, what kind of reaction occurred? _____
 6. Are you currently using any method of birth control including pills, or a birth control patch, ring or shot/injection? Yes ☐ No ☐
 7. If yes, which one do you use? _____
 8. Have you ever been told by a medical professional not to take hormones? Yes ☐ No ☐
 9. Do you smoke cigarettes? Yes ☐ No ☐

Medical History:

10. Have you given birth within the past 6 weeks? Yes ☐ No ☐
 11. Are you currently breastfeeding? Yes ☐ No ☐
 12. Do you have diabetes? Yes ☐ No ☐
 13. Do you get migraine headaches? If so, have you ever had these kinds of headaches that start with warning signs or symptoms, such as flashes of light, blind spots, or tingling in your hand or face that comes and goes completely away before the headache starts? Yes ☐ No ☐
 14. Do you have high blood pressure, hypertension, or high cholesterol? Yes ☐ No ☐
 15. Have you ever had a heart attack or stroke, or been told you had any heart disease? Yes ☐ No ☐
 16. Have you ever had a blood clot? Yes ☐ No ☐
 17. Have you ever been told by a medical professional that you are at risk of developing a blood clot? Yes ☐ No ☐
 18. Have you had recent major surgery or are you planning to have surgery in the next 6 weeks? Yes ☐ No ☐
 19. Have you had bariatric surgery or stomach reduction surgery? Yes ☐ No ☐
 20. Do you have or have you ever had breast cancer? Yes ☐ No ☐
 21. Do you have or have you ever had hepatitis, liver disease, liver cancer, or gall bladder disease, or do you have jaundice (yellow skin or eyes)? Yes ☐ No ☐
 22. Do you have lupus, rheumatoid arthritis, or any blood disorders? Yes ☐ No ☐
 23. Do you take medication for seizures, tuberculosis (Tb), fungal infections, or human immunodeficiency virus (HIV)? Yes ☐ No ☐
 24. If yes, list them here: _____
 25. Do you have any other medical problems or take any medications, including herbs or supplements? Yes ☐ No ☐
 26. If yes, list them here: _____

Do you have a preferred method of birth control that you would like to use?
☐ A pill you take each day ☐ A patch that you change weekly ☐ Other (ring, injectable, implant, or IUD)
 If other, specify: _____
 Pharmacist Name: _____ Pharmacist Signature: _____
☐ Drug Prescribed: _____ ☐ Patient Referred (circle reason(s))
 Sig: _____ (Pharmacy Phone) _____ Address: _____

https://www.oregon.gov/pharmacy/Pages/ContraceptivePrescribing.aspx#Tool-Kit_Resources

SELF-SCREENING QUESTIONNAIRE

The self-screening questionnaire is based on the material used by the US government (<https://www.uslegalforms.com>), in a more simplified manner. It can be filled out on the digital screen when the user first accesses the machine, especially when there is no Wi-Fi available. If Wi-Fi is available at the location, the user can download the self-screening questionnaire and fill it out on their own smartphone, receiving the results in real time.

Summary Chart of U.S. Medical Eligibility Criteria for Contraceptive Use

From U.S. Department of Health and Human Services, Office of Population Research and Demographics, Office of Family Planning, 2014. <https://www.fda.gov/oc/ohrt/contraception/summary-chart-us-medical-eligibility-criteria-for-contraceptive-use>

Correspondence to the order of the Oregon Self-Screening Questionnaire

Contraindication	Contraindication	Contraindication	Contraindication
1. Pregnancy	2. Breastfeeding	3. High blood pressure	4. History of blood clots
5. History of heart disease	6. History of stroke	7. History of liver disease	8. History of cancer
9. History of seizures	10. History of tuberculosis	11. History of HIV	12. History of other medical conditions
13. History of surgery	14. History of bariatric surgery	15. History of breast cancer	16. History of hepatitis
17. History of liver disease	18. History of liver cancer	19. History of gall bladder disease	20. History of jaundice
21. History of lupus	22. History of rheumatoid arthritis	23. History of blood disorders	24. History of other medical conditions
25. History of other medical conditions	26. History of other medical conditions	27. History of other medical conditions	28. History of other medical conditions

PLEASE ANSWER THE QUESTIONNAIRE TO FIND OUT WHICH CONTRACEPTIVE IS BEST FOR YOU!

POR FAVOR, RESPONDA EL CUESTIONARIO PARA SABER CUÁL ES EL ANTICONCEPTIVO MEJOR PARA USTED.

SCH 4

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2 **BLOOD PRESSURE GAUGE (SENSOR)**

The digital blood pressure monitor is based on a device developed by the DIGITAL HEALTH LAB at UC SAN DIEGO. To use, simply press your thumb on the base of the sensor for a few seconds, and the user's blood pressure will be recorded on the digital screen.

INSPIRATION

DIGITAL Health Lab UC San Diego

Health Lab/UC San Diego

Press Force

Recording Subject Trial HStable

99 0 1

UP DOWN

1 2

Force: 69.0% POISE ExposureTime: 19.975ms Pst: 10.2 MaxVal: 78.0 ISO: 94

41.3 40.9 40.6

SCH 5

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SCH 6

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SCH 7

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ENERGY SOURCES

The proposal to install women's restrooms near bus stops allows a solar panel to be installed on the bus stop. In addition, 2 or 3 Power Pod units can be installed on the restroom structure, a wind turbine with 4 times more power generation capacity than a propeller of the same size. Both systems will supply the SCD with renewable energy, in addition to recharging the backup generator, which will be activated automatically whenever the power systems fail.



SCH 8

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LOCATION

The option of adapting the SCD in adapted public women's restrooms allows the system to be installed in parks, avenues, bus stops, squares and other public places.



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SCH 9

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LOCATION

The system uses ARTIFICIAL INTELLIGENCE to help the user find distribution points and pharmacies where they can access specific types of contraceptives.



SCH 10

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BARCODE COUNTER | OFFLINE REMOTE INVENTORY

The free Barcode Counter technology has been adapted to the dispenser for continuous inventory management. The system counts the output of items from the inventory, indicating when the products should be replenished. If there is a connection, the data is sent to a remote server. If there is no connection, the data can be collected every week by an employee with a portable Wi-Fi router.

When a product is selected, it passes through an area where its barcode is captured by an automatic reader, releasing the product only after it has been read. The system counts the products removed from the machine and the data is stored on an internal HD, being sent to a remote server, if it is online, or being collected later, if it is offline.



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SCH 11

SCD | SMART CONTRACEPTIVE DISPENSER

WHEN THE SYSTEM IS OFFLINE

OFFLINE CARD

SMART CONTRACEPTIVE DISPENSER

Joana Rojas Velasquez

Valid until July 2025

OFFLINE QR CODE

SMART CONTRACEPTIVE DISPENSER

Joana Rojas Velasquez

Valid until July 2025

WHEN THE SYSTEM IS ONLINE

DIGITAL CARD

SMART CONTRACEPTIVE DISPENSER

Joana Rojas Velasquez

Valid until July 2025

DIGITAL QR CODE

SMART CONTRACEPTIVE DISPENSER

Joana Rojas Velasquez

Valid until July 2025

SMART CONTRACEPTIVE DISPENSER

SELF-SCREENING

POINTS & PHARMACIES

SELECT A PRODUCT

DIGITAL PAYMENT

DIGITAL CARD

QR CODE

BUY +

SELF-SCREENING

If the user is online, they can access the dispenser functions using the smartphone app, such as filling out the self-screening questionnaire.

POINTS & PHARMACIES

This tab allows the user to locate the distribution points and pharmacies closest to their current location.

SELECT A PRODUCT

Here the user chooses the product they want, pays or presents the digital card or digital QR code and receives the product at the bottom of the machine.

DIGITAL PAYMENT

This function allows the user to pay in cash via digital transfer from their own account.

DIGITAL CARD

Access to the digital card, which is issued by the organizations responsible for the program. The card has the user's name and expiration date and also has a physical version.

QR CODE

Access to the digital QR code, which is issued by the organizations responsible for the program. The digital QR code is printed on a physical card, with the user's name and expiration date.

BUY +

This tab allows the user to make purchases in larger quantities, as they are about to travel for 1 month or more. For larger purchases, authorization from the organizations responsible for the project is required.