

INSTRUCTIONS FOR USE

TMRW READERBOARD

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### Cryopreservation Identification and Tracking Device

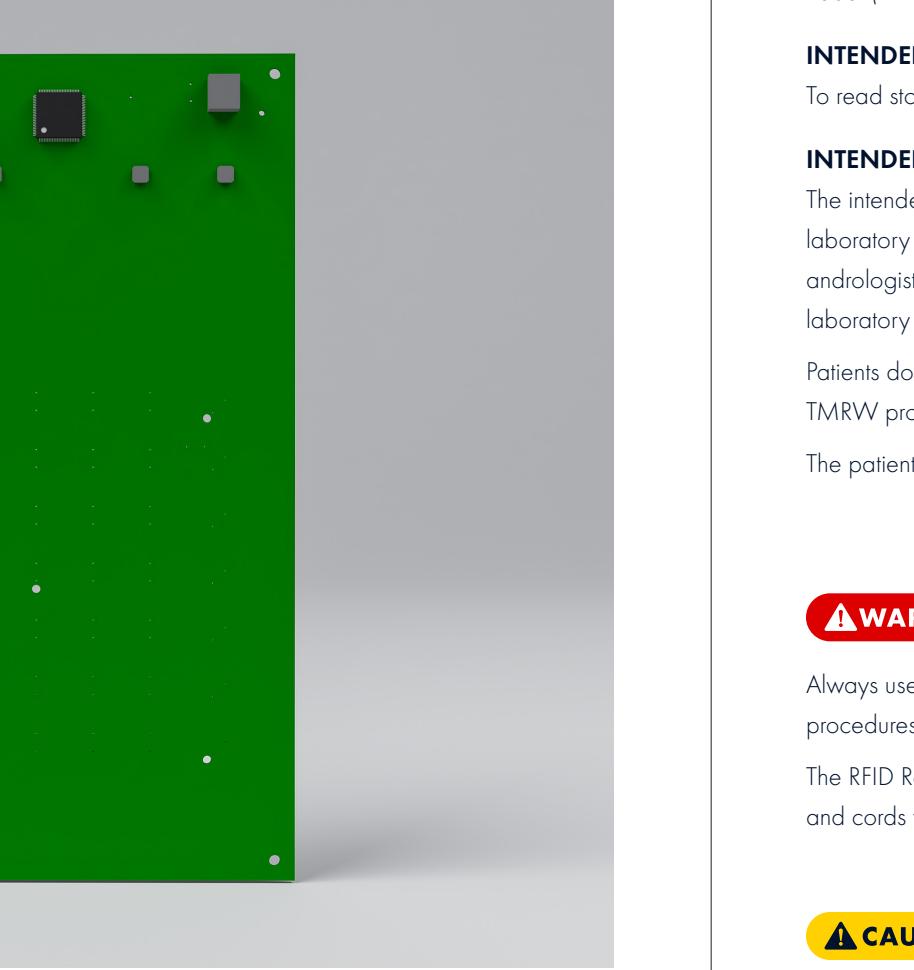


Figure A: Readerboard

#### DEVICE DESCRIPTION

The TMRW RFID ReaderBoard is a custom circuit board component that integrates the TMRW At-the-Robot (ATR) software and Witnessing System.

#### CONTRAINdications

None.

#### INTENDED USE

To read stored information on RFID enabled containers

#### INTENDED USERS

The intended users of the RFID Readerboard are laboratory professionals including embryologists, andrologists, clinicians, laboratory technicians, and laboratory management personnel.

#### DISPOSAL

Patients do not interact with or come into contact with TMRW products.

There are no lithium batteries used to operate, nor are any toxic components used in the manufacturing of the Readerboard. The PCB assembly is lead-free.

#### WARNING

Always use appropriate personal protective equipment (PPE) and follow your laboratory's standard operating procedures and safety guidelines when working with liquid nitrogen (LN<sub>2</sub>).

The RFID Readerboard requires electricity to function. Use standard caution and care around electrical connectors and cords to prevent bodily harm from electrical shock or damage to the machine.

#### CAUTION

Always use proper power and proper electrical compliant connections in accordance with the local electrical code.

#### typical age between the ages of 18 years to 50 years at the time of fertility tissue collection.

#### CONTRAINDICATIONS

None.

#### ADVERSE EFFECTS

None.

#### STORAGE

Store at room temperature.

#### DISPOSAL

Discard at an e-waste facility.

#### DISPOSAL

There are no lithium batteries used to operate, nor are

any toxic components used in the manufacturing of the

Readerboard. The PCB assembly is lead-free.

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# INSTRUCTIONS FOR USE

01

With a CryoGrid located in the left CryoBath, and an additional CryoGrid or CryoTransporter located in the right CryoBath (Figure B), refer to the lower screen.



Figure B: CryoGrid and CryoTransporter in CryoBaths

02

Wait for the RFID Readerboard to map the CryoBeacons in the CryoGrid and CryoTransporter.

03

Following the arrow on the screen, move the CryoBeacon highlighted in green to the empty location highlighted in green. After a CryoBeacon has been moved, the RFID Readerboard updates the screen to reflect the movement of the CryoBeacon.

04

If you have additional CryoBeacons for this procedure, repeat Step 2 and Step 3.

**Note:** For specimen vitrification, you can use the CryoTransporter or your preferred cryogenic container. If you choose to use the CryoTransporter for vitrification, the angled slot in the front allows for easy and safe loading of your cryodevice into the CryoBeacon. The CryoTransporter provides sufficient LN<sub>2</sub> depth to plunge cryodevices during vitrification.

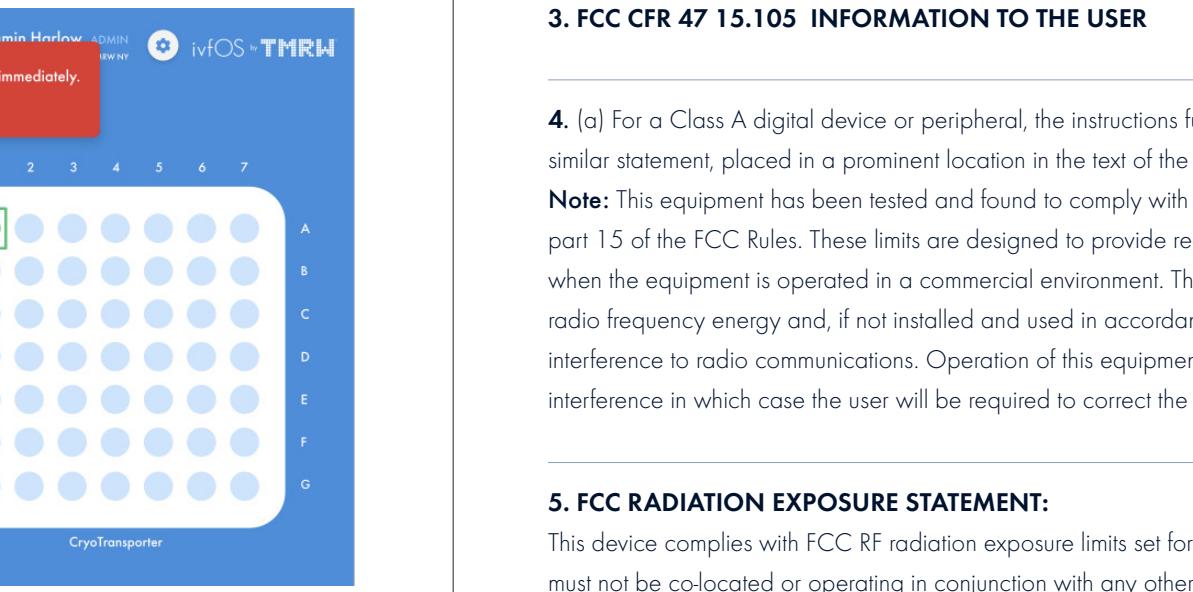


Figure C: Lower Screen - CryoBeacon Error

# NOTICE

## 1. FCC CFR 47 15.19

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## 2. FCC CFR 47 15.21

**Caution:** any changes or modifications to this device not expressly approved by TMRW Life Sciences, Inc. could void the user's authority to operate the equipment.

## 3. FCC CFR 47 15.105 INFORMATION TO THE USER

4. (a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## 5. FCC RADIATION EXPOSURE STATEMENT:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The equipment should be installed and operated with minimum distance of 20cm between the radiator and your body.

## 6. ISED STATEMENTS

This device contains license-exempt transmitters/receivers that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs/récepteurs autorisés exempt qui sont conformes au présent RSS exempt du Canada d'innovation, de la Science et du développement économique. L'opération est sujette aux deux conditions suivantes:

- (1) Ce dispositif ne peut pas causer d'interférence.
- (2) Ce dispositif doit accepter n'importe quelle interférence, y compris l'interférence qui peut causer le fonctionnement non désiré de l'appareil.

CAN ICES-3 (A) / NMB-3(A)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de classe A est conforme à la norme canadienne ICES-003.

## 7. RADIATION EXPOSURE STATEMENT: ISED

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator and your body.

### Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISEDables pour un environnement contrôlé. Cet équipement doit être installé et utilisé à plus de 20cm entre le radiateur et votre corps.

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3(A)/NMB-3(A)

