

The Invisible Guardian of the IVF Clinic

Unbreakable Chain of Custody
with the IVFID Witness System



IVFID
WITNESS SYSTEM

Replacing Vulnerability with **Absolute Certainty**



The Vulnerability

Manual workflows and handwritten labels introduce catastrophic risk and cognitive burden in high-stakes environments.



The Certainty

IVFID acts as a continuous digital signal, securing samples via RFID without interrupting clinical focus.

Unifying the Clinical Ecosystem

The system securely binds all participants in a treatment cycle into a single, encrypted digital footprint.




Patient ID:	[F00021]	<input checked="" type="checkbox"/>
Name:	[AP0197]	<input checked="" type="checkbox"/>
Status:	[Validated]	<input checked="" type="checkbox"/>

The Patient/Recipient
ID Validation & primary cycle anchor.



Sample ID:	[S12345]	<input checked="" type="checkbox"/>
Donor Code:	[17655]	<input checked="" type="checkbox"/>
Analysis:	[Complete]	
Date:	[09.07.2020]	

The Partner
Linked genetic contribution.



Donor Type:	[Fresh]
Ethnicity:	[Ukrainian]
Anonymized Code:	[DNR-5678]
Tracked:	[Yes]

The Donor
Fresh or Sperm Bank tracked via anonymized code.

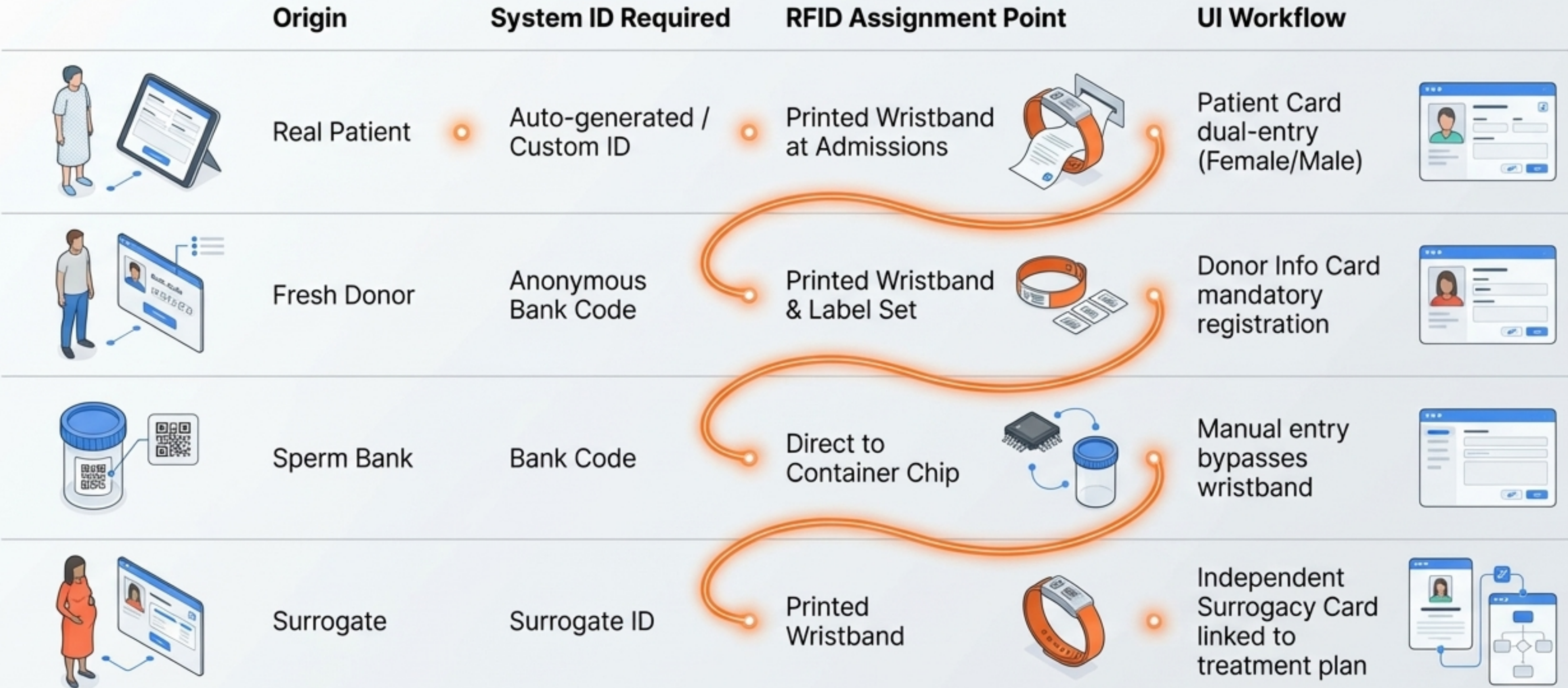


Surrogate ID:	[SUR-9012]
Protocol Link:	[Recipient-F00021]
Registration:	[Independent]
Status:	[Active]

The Surrogate Mother
Independent registration tied to recipient protocol.



Adaptive Registration Pathways



An Invisible Layer Over Existing Workstations

Purpose-built hardware for every clinical environment.

Laminar Flow Tablet



- Touchscreen entry
- Integrated RFID reader
- Real-time workflow gating

OR LCD Screen



- Patient verification
- Real-time follicle count broadcast
- High-visibility alerts

Mobile Cryo Reader



- LN2-resistant scanning
- Instant 2D grid mapping
- Untethered mobility

The Continuous Chain of Custody



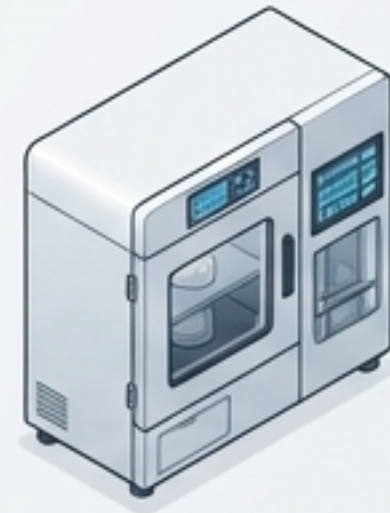
1. Registration



2. Operation Room (OPU)



3. Embryology / ICSI



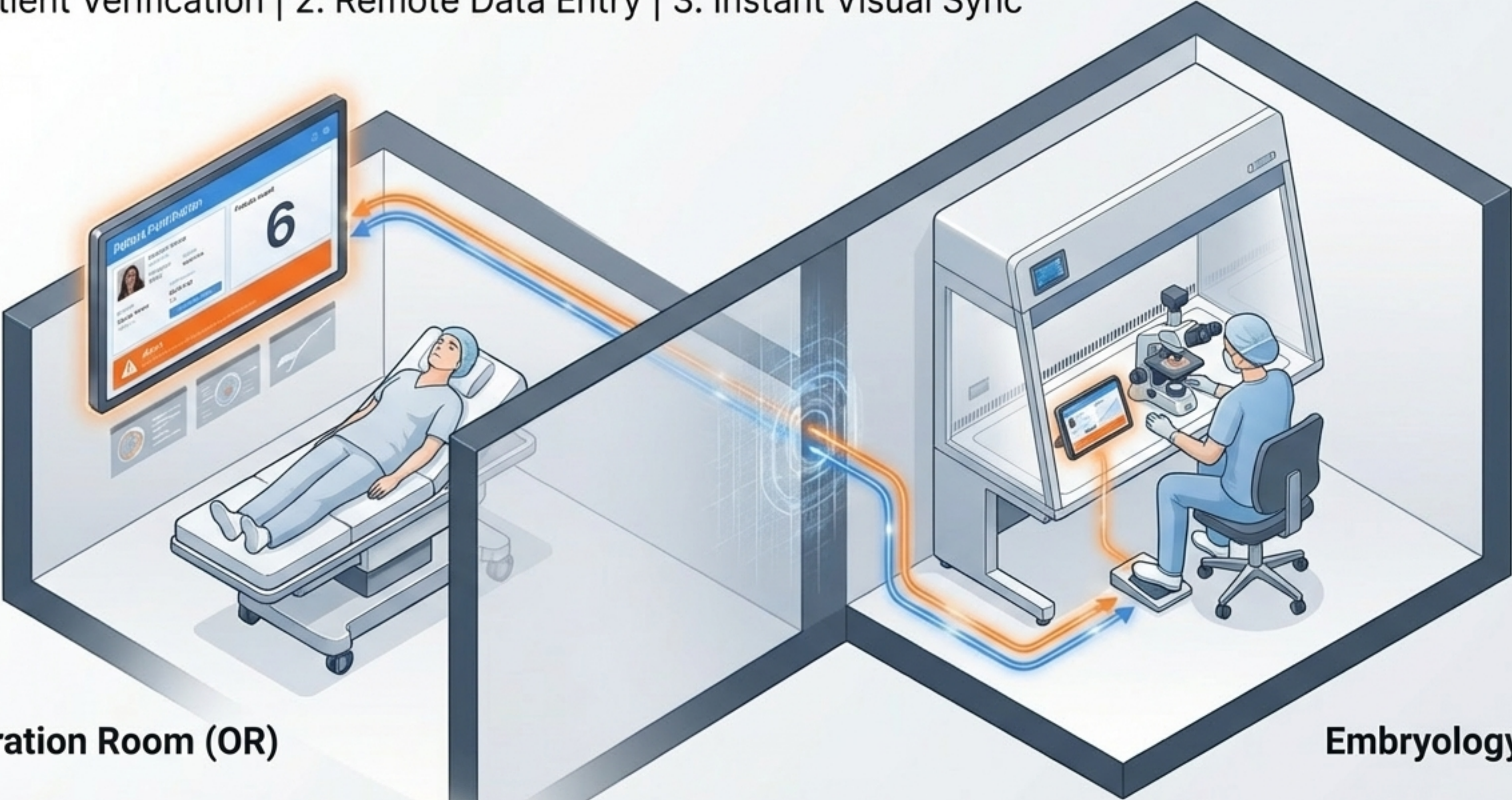
4. Transfer



5. Cryopreservation

Synchronized Clinical Focus: The Real-Time OR Broadcast

1. Patient Verification | 2. Remote Data Entry | 3. Instant Visual Sync



Operation Room (OR)

Embryology Lab

Anchoring Identity: The Master Chip

Patient admission triggers a blinking red alert across all lab tablets. The wristband scan generates a localized Master Chip that physically travels with the patient's primary documentation.



Initial Wristband Scan

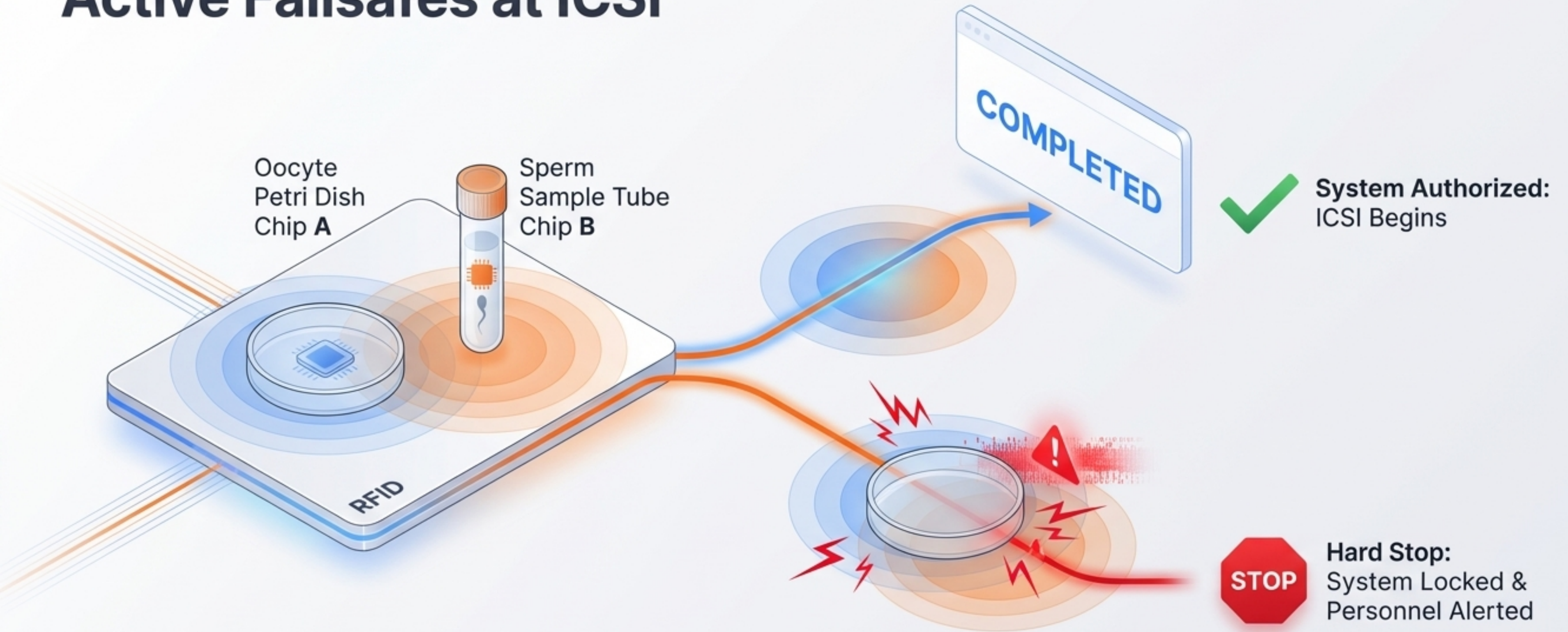


Lab-Wide Alert Triggered



Master Chip Encoded & Attached

The Secure Handshake: Active Failsafes at ICSI



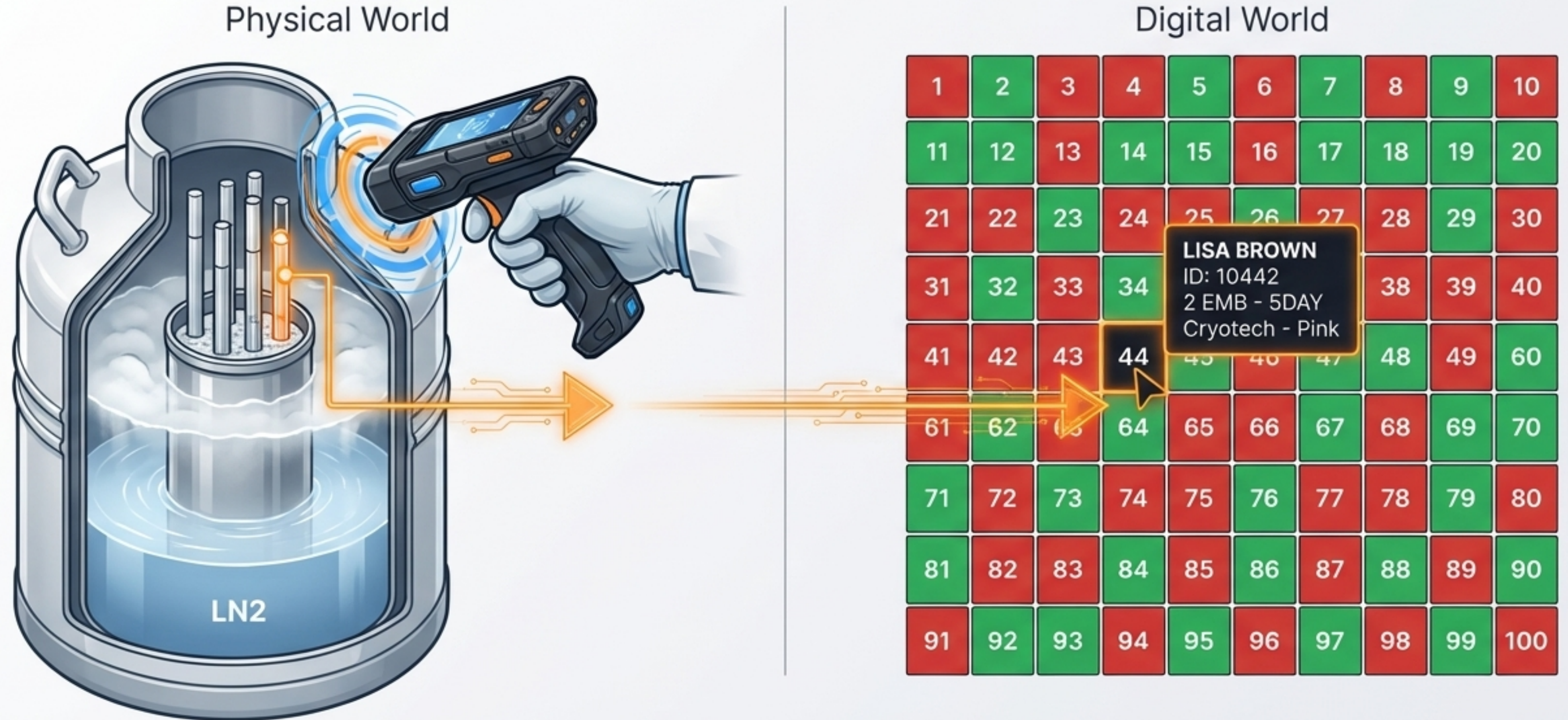
The Final Verification: Fresh & Thaw Transfers

Master Chip scan is required to unlock the Transfer Screen. The system enforces a mandatory check before the digital workflow can be closed, ensuring absolute clinical completion.



Cryopreservation: Digital Precision in Liquid Nitrogen

Zero guesswork. Pinpoint location tracking via 2D mapping and LN2-resistant RFID scanning.



Total Clinic Traceability: The Command Center

Every micro-interaction, scan, and failsafe automatically builds a comprehensive, clinic-wide performance asset. Safety yields operational mastery.

Wristband Scan
ICSI Handshake
Cryo Read
Sample Barcode
Incubator Check
Patient Verify
Device Sync
Reagent Scan
Microscope Log
Failsafe Trigger
User Login
Procedure Start
QC Check
Transfer Scan
Witness Step
Temp Record

IVFID
WITNESS SYSTEM



The Invisible Guardian

By embedding the continuous chain of custody into the background of daily operations, IVFID absorbs the cognitive burden of tracking—freeing clinical staff to focus entirely on the science of life.

