



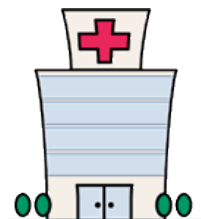
Pier 15: Breaking Good

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Combating the growing problem of counterfeit drugs



A complex problem



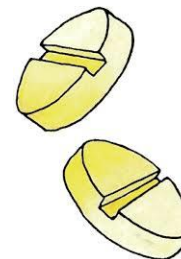
1.



2.



3.



Solution 1

An instrument to detect counterfeiting by
chemical analysis



ECB: Our upgrades

Replacement of injection
pump with manual feed
Lower cost / size / weight

Additional detection
method
Conductivity based



Automated analysis
Saves man hours
Increased reliability

Wizard tool
Lower operational costs
Capacity building



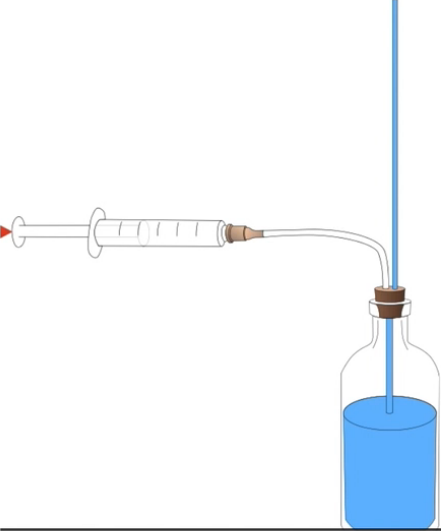
Web based training tool

Testing sequence: ×

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Step 1: buffer

Insert a vial with a buffer and connect it. Press the syringe so it moves one bar and keep it like that for 120 seconds.



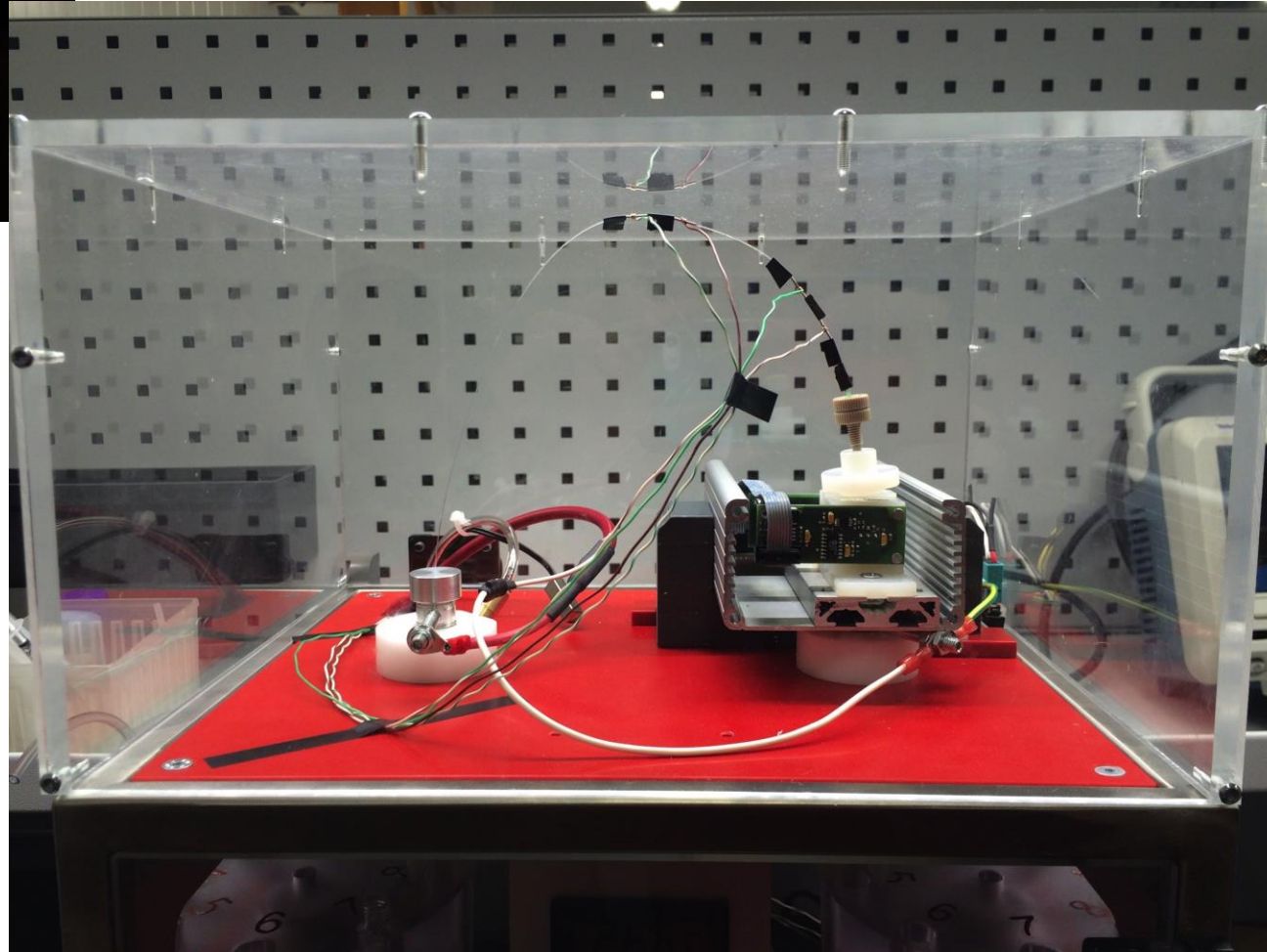
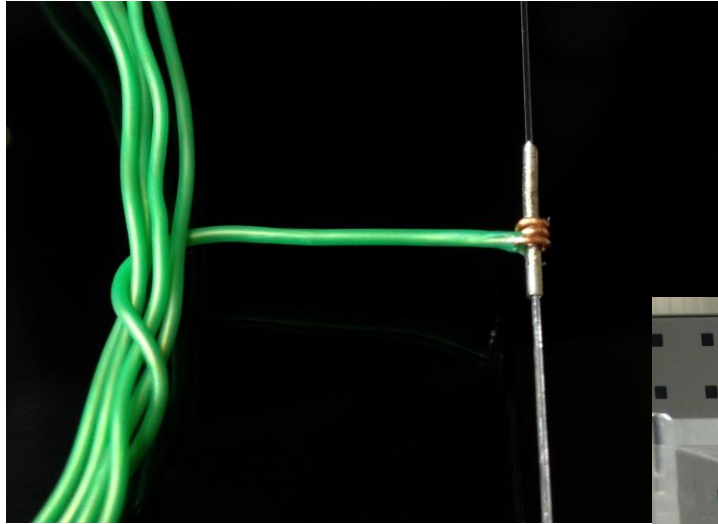
00:00 -00:22

120 seconds

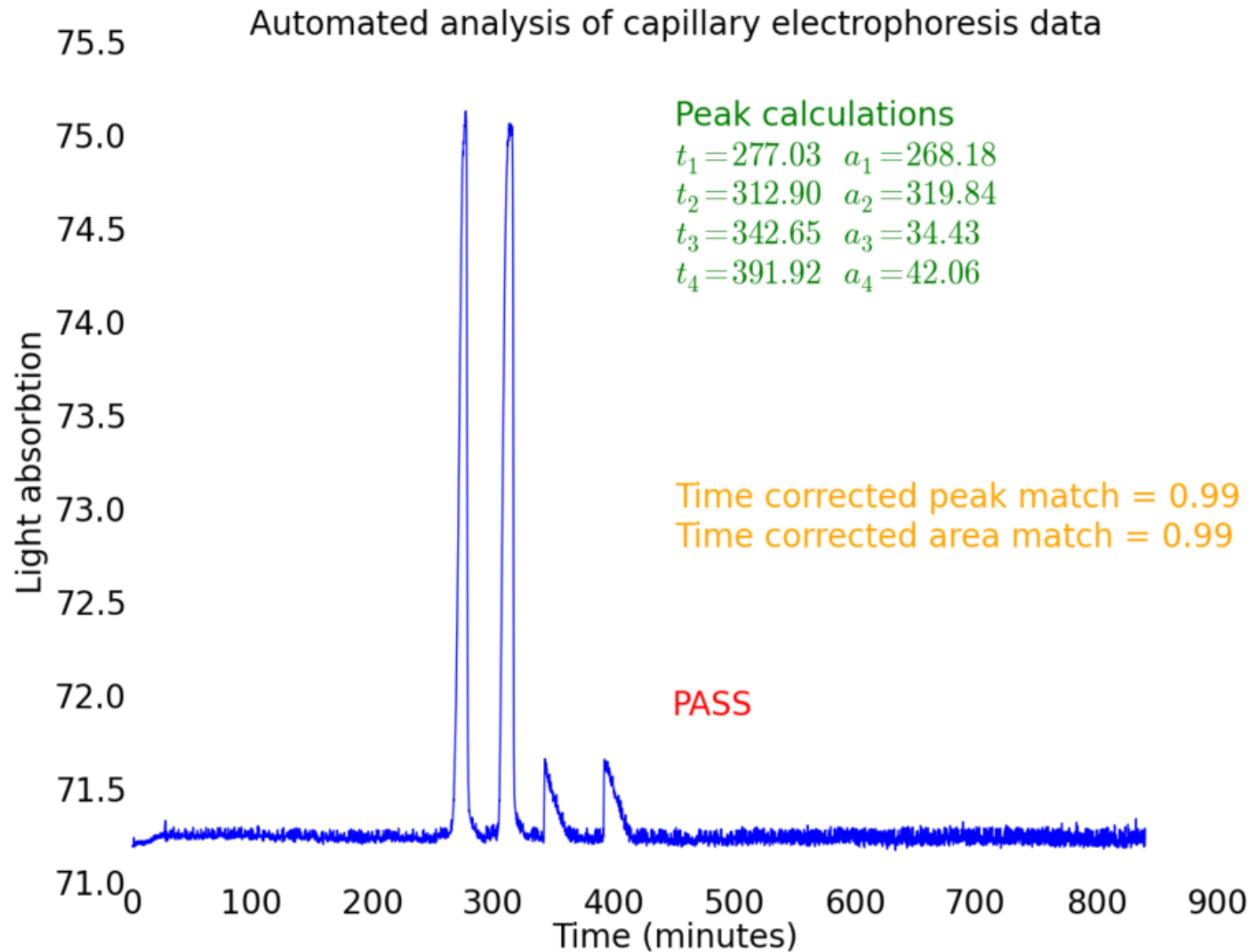
Start the 120 second countdown

Abort Next step





Automated analysis

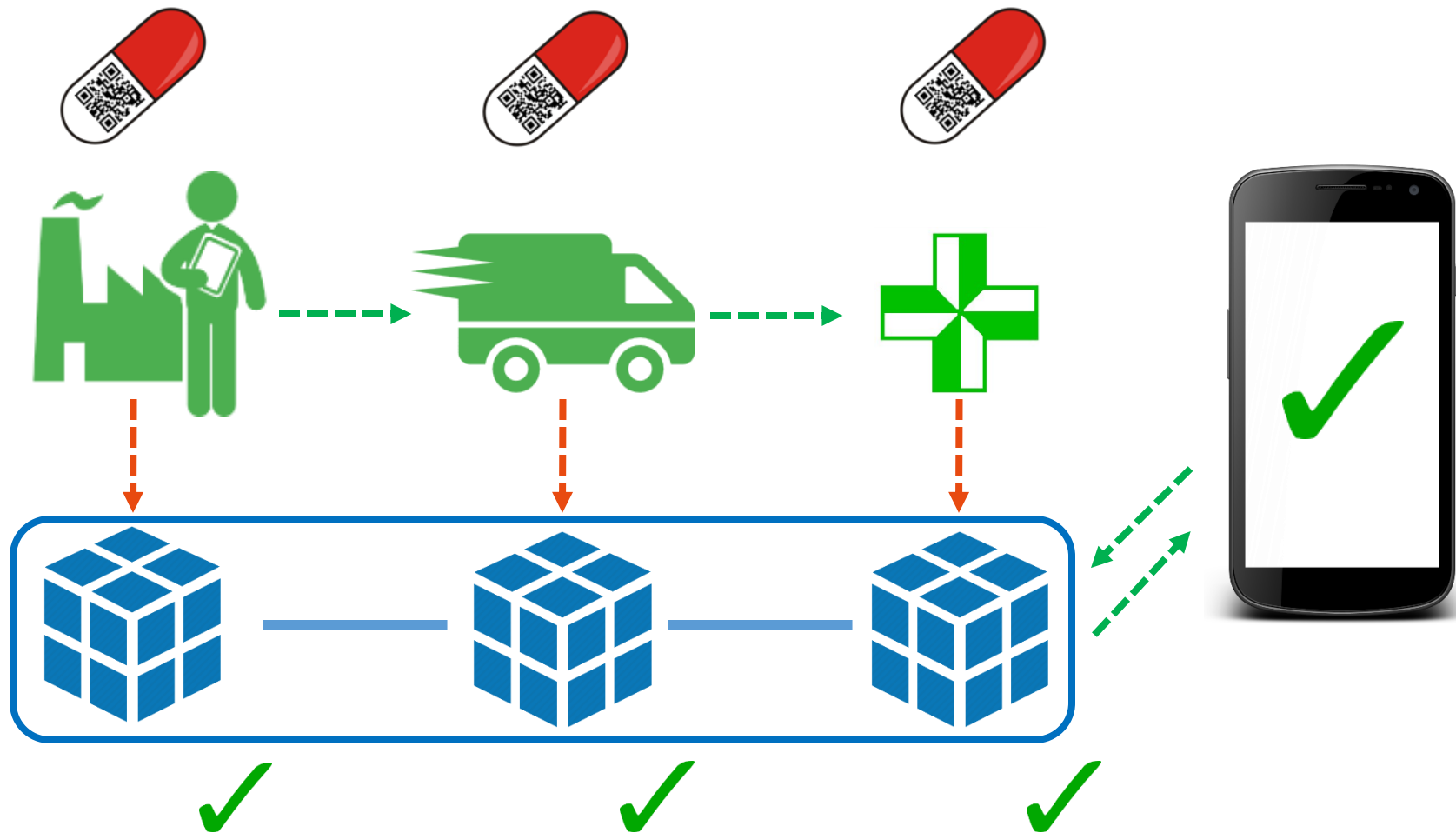


Solution 2

Secure tracking of **supply chain** from manufacturer to consumer



The system at a glance



Blockchain-based verification

- ✓ Unbreakable
- ✓ “Trustless”
- ✓ Transparent
- ✓ Powered by the “Authenticity” that fuels Bitcoins

- ✓ Forces accountability at every point in the supply chain
- ✓ Inherently incentivized crowdsourcing model



1 + 2 =

Solution 3

A tool to aggregate global data on incidences of counterfeiting



A more holistic approach to data



Target users

Consumers, national regulatory authorities, suppliers, and policymakers

Key components

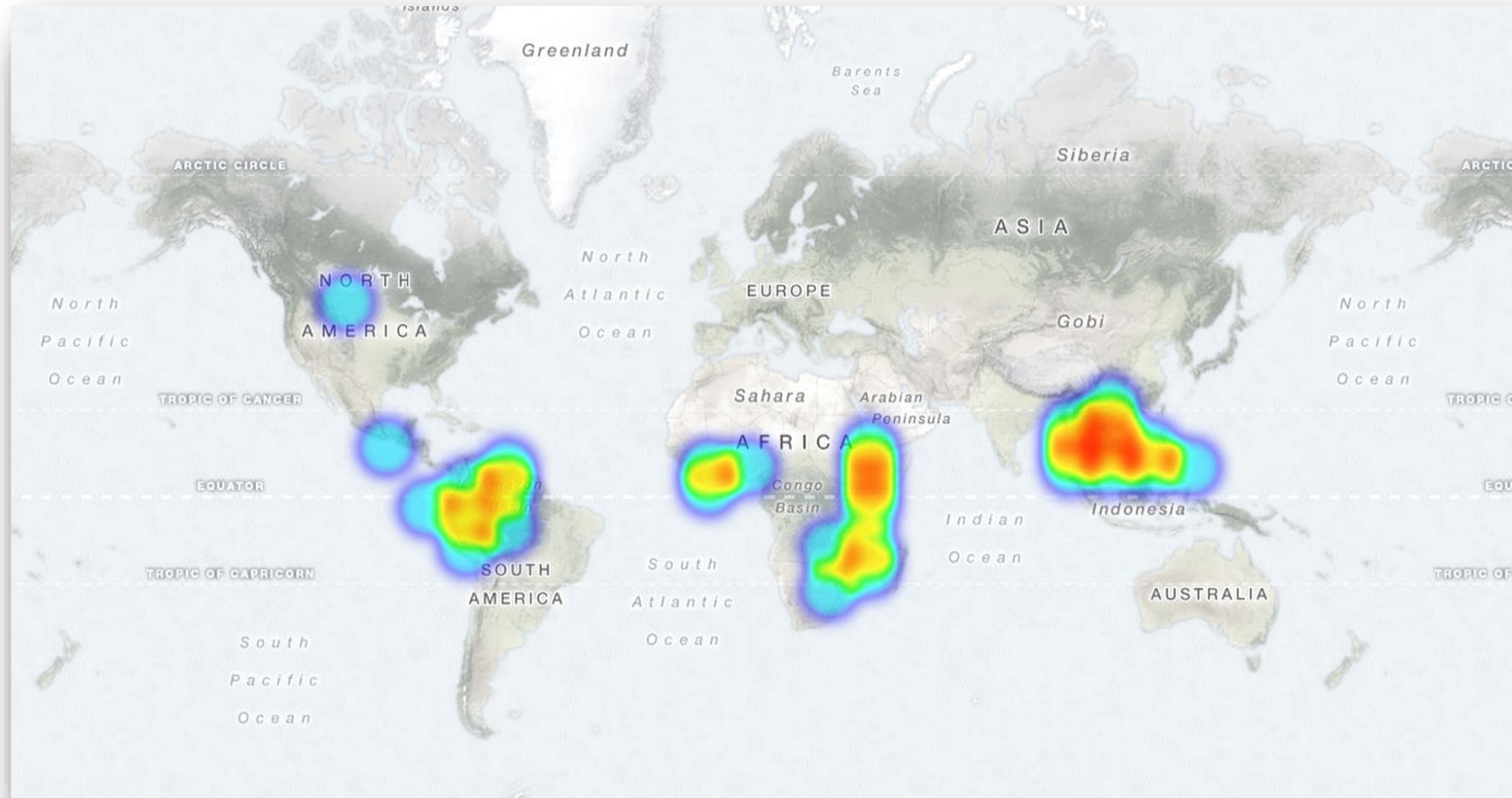
- **Multiple-source global counterfeit drug surveillance network**
- Automated aggregation of pass/fail data from two verified sources - chemical analysis (Solution 1) and blockchain verification system (Solution 2)
- Also collects data from end-users / patients, other databases
- Info on medicine, location, and source of the incidence report
- Flexible, customizable, independently verifiable – based on organizational / individual needs



The power of reliable data



Pier 15: Breaking Good



Thank you



Pier 15: Breaking Good

