



Pier 15: Breaking Good

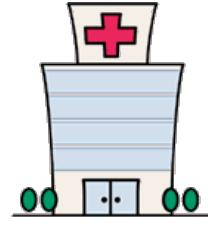
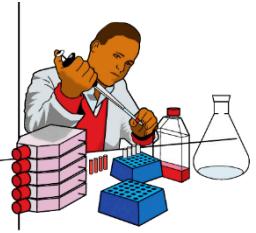
Pier 15:

# Breaking Good

Combating the growing problem of counterfeit drugs



# A complex problem



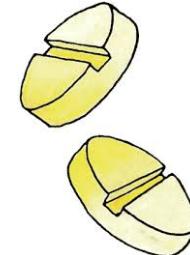
1.



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

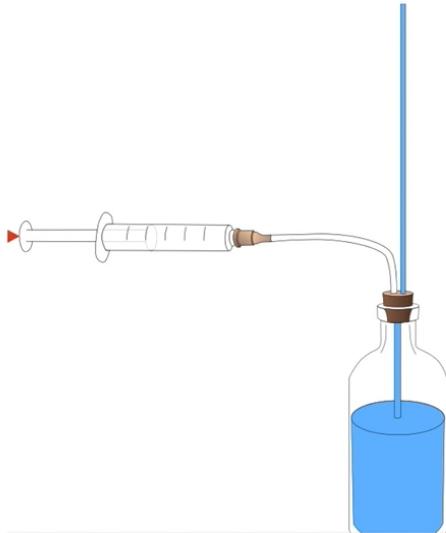
# Web based training tool

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



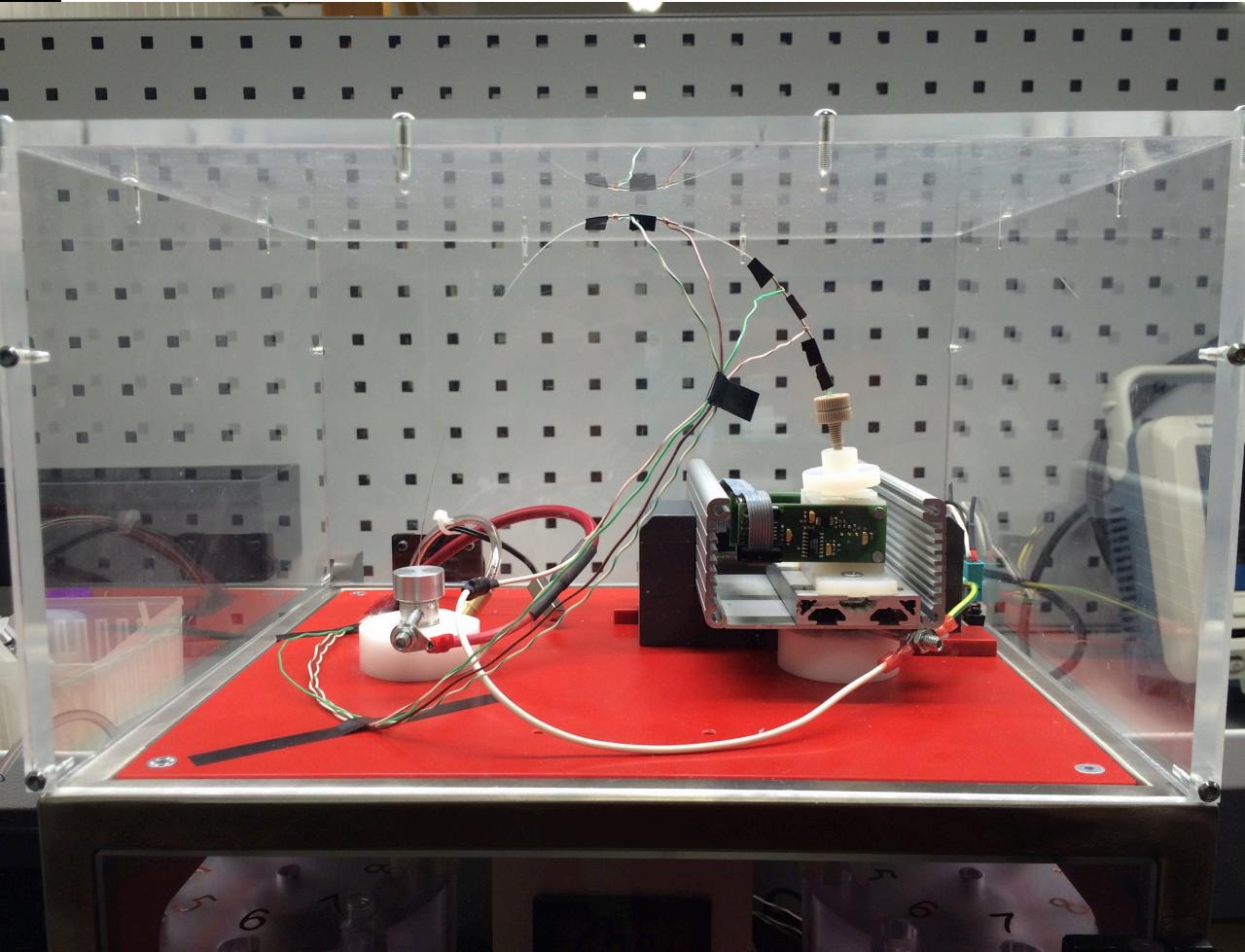
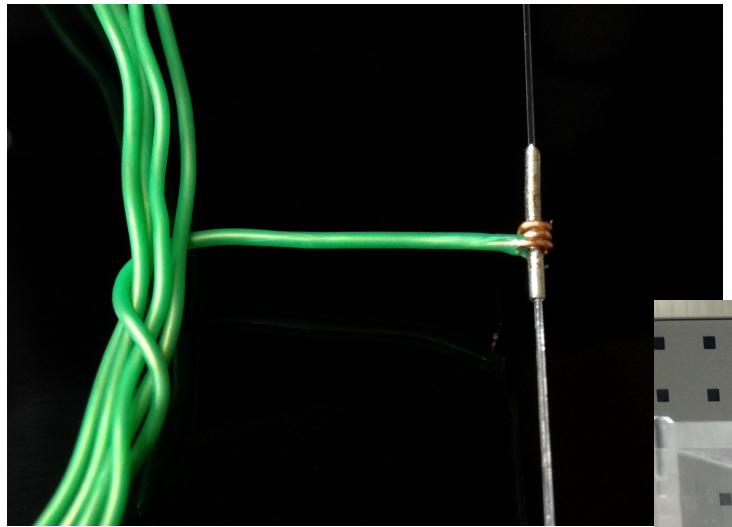
THE Port

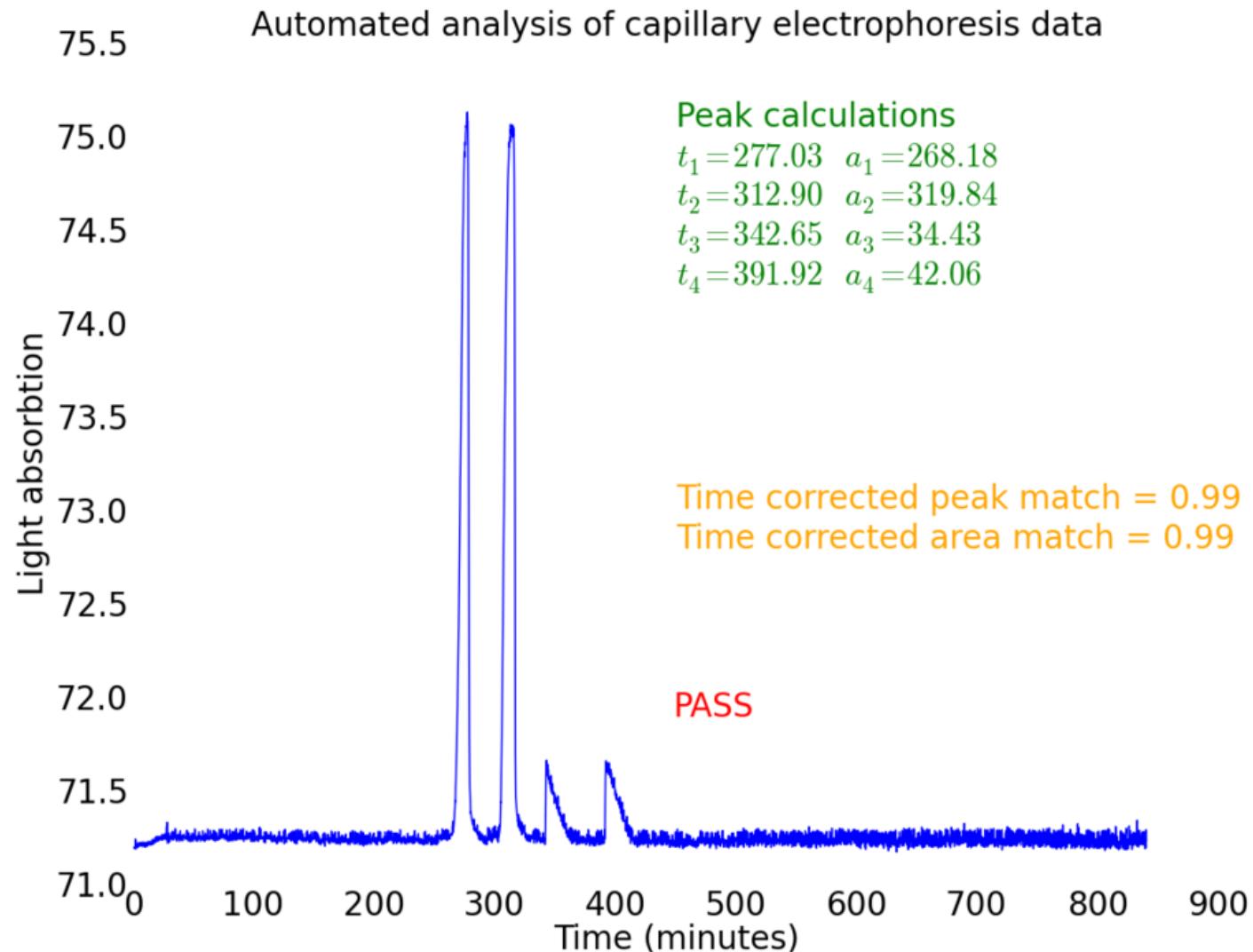
Pier 15: Breaking Good





Pier 15: Breaking Good



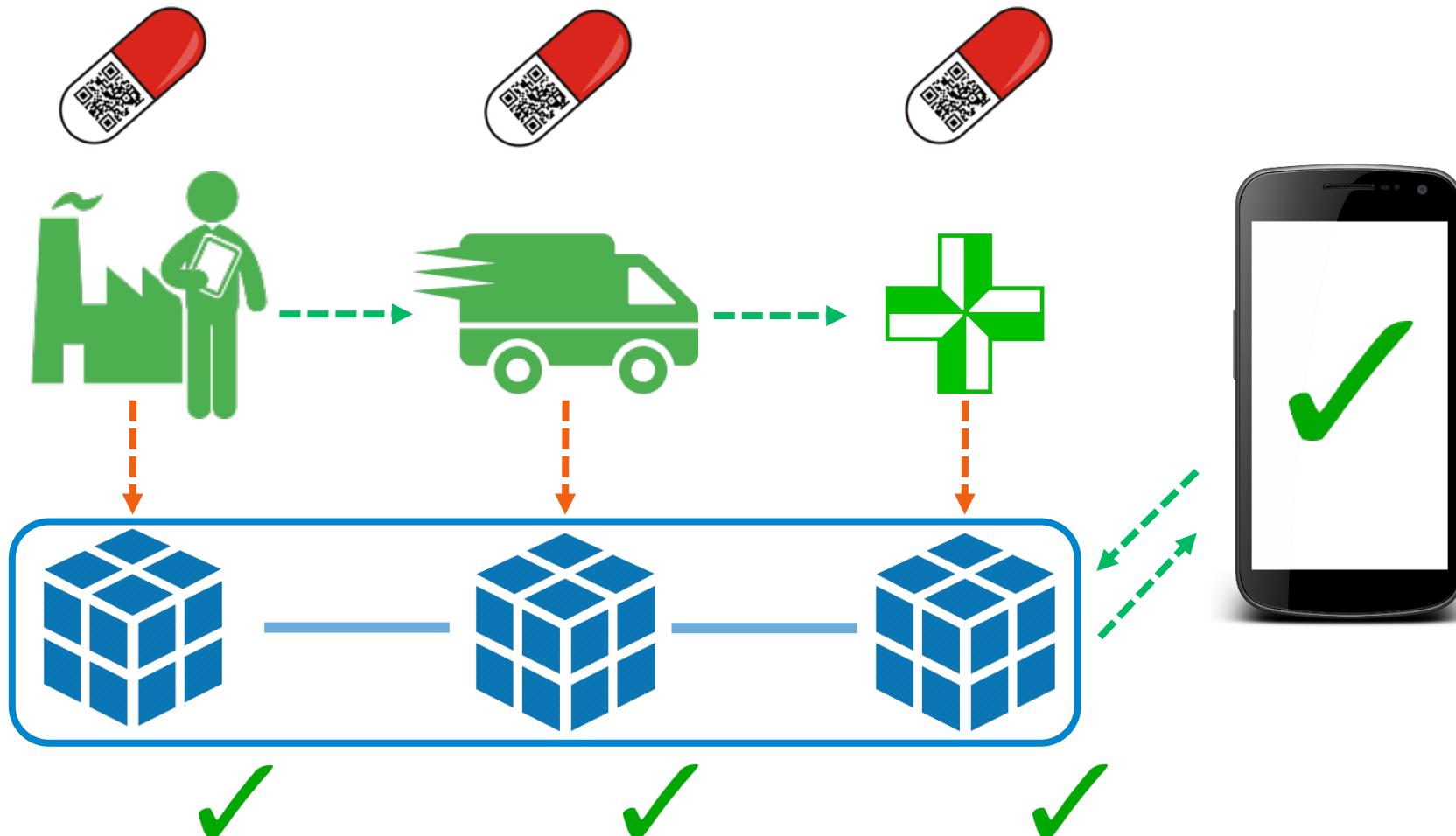


# Solution 2

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

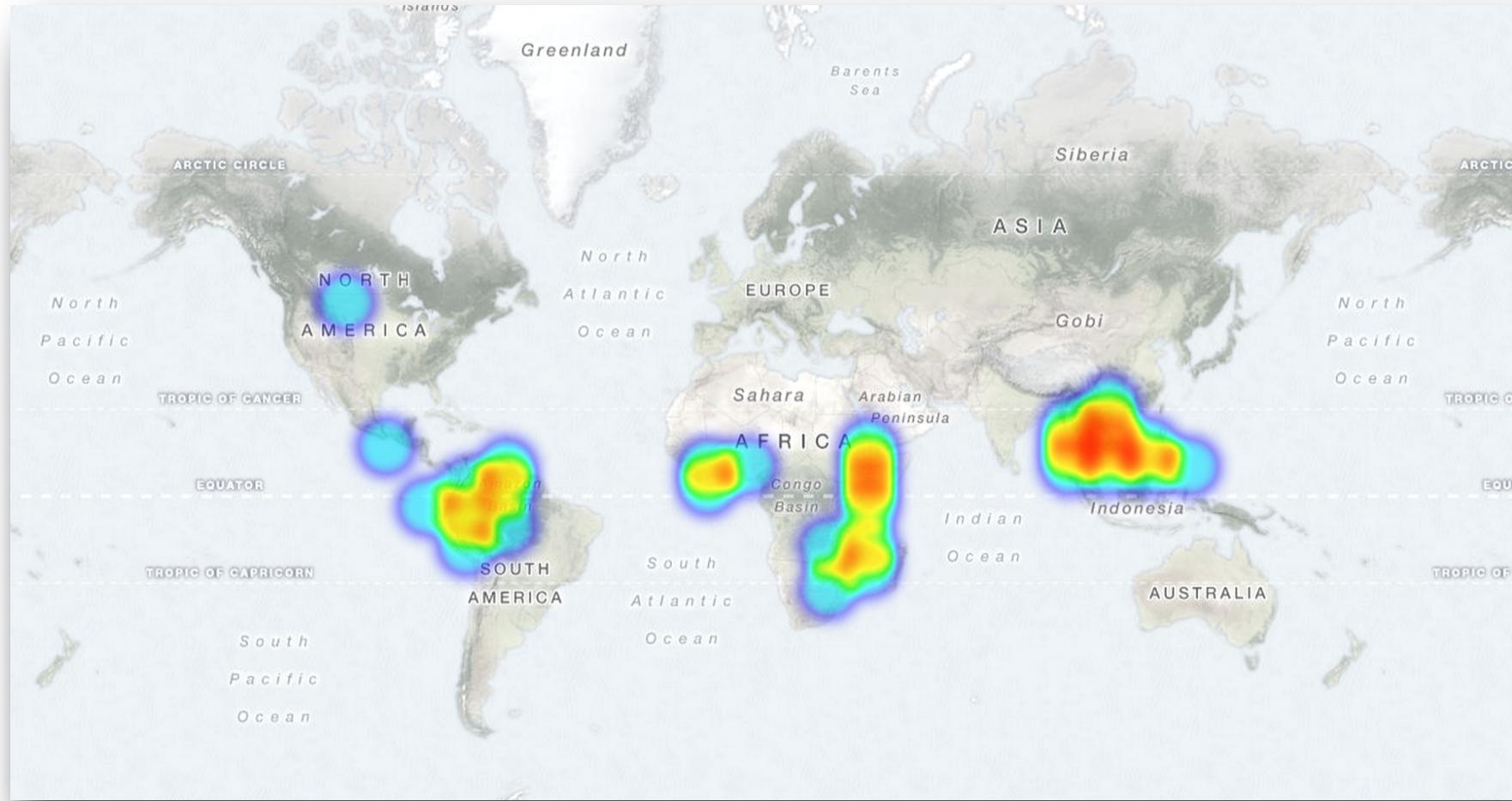
## Key components

- **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

THE Port  
Pier 15: Breaking Good



# Thank you

