2 Programmers made Fastest PCR for billion people

Open source IoT DNA amplifier (PCR)

NinjaPCR in 2013

http://pcr.tori.st
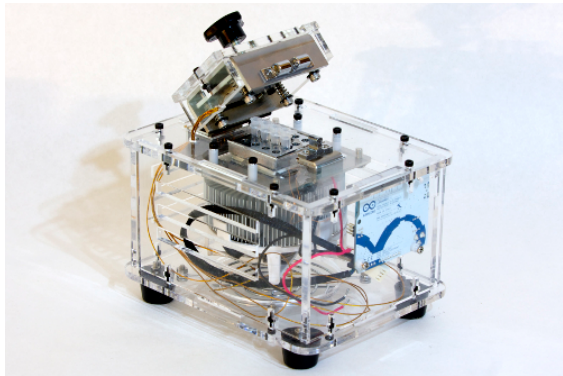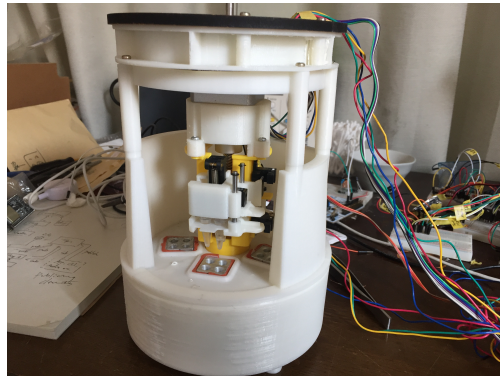
10 times faster in 2017

http://bit.ly/fasterpcr

### DNA is too small to see. We need to amplify (copy) first.

A 13 year old girl with peanut allergy died at summer camp after eating krispies though she had medicine. Malaria kills 500 million people every year but patients cannot find which type of Malaria and medicine works.

If they had PCR and some cheap expendables (DNA extractor and chromatography chip), people could self-test their food and blood.

Our IoT PCR is open, cheap safe, fast.

But all PCR in market is expensive (US$4000-) or slow (takes 2-3 hours). Hot parts are exposed. Education is required to use. Moreover, most of them are not open source. We are both programmers and have no background in biology nor hardware. We self-taught from open source movement and making PCR for 4 years at home in Tokyo. Event children can use our PCR with smartphones. Hot parts are covered and parts price is US$200. Special movement makes it 10 times faster.

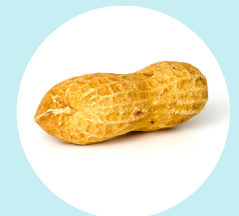### Make your own PCR to get multiple hardware skills at once.

Our first "NinjaPCR" is the best example to learn essential hardware skills including laser cutting, ordering PCR/metal/electric parts, soldering and Arduino. We are currently supporting projects in India, Indonesia, Japan and China by making things all open and sharing each steps in detail through our wiki (http://pcr.tori.st). Join us!

Peanut
Buckwheat
Wheat

After PCR, Drop Here and Wait 5 min
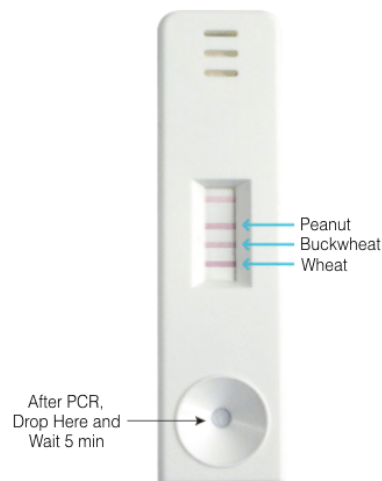
DNA chromatography chip shows DNA as lines

We want to make popular

Food allergen self test

500 million patients

Infectious disease self test

200 million Malaria patients every year

Halal and mis-representation self test

1.6 billion muslim

Contribute to Open source

Made in Delhi