

Open source capillary electrophoresis device for quality control of medicines

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CE for Quality Control






About 30% of drugs in the developing world are fake



Fake medicine can be contaminated, contain a wrong or no active ingredient.

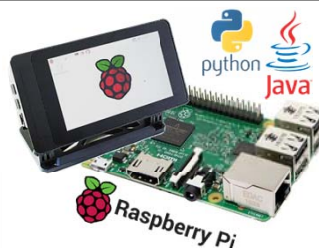
CE is green and cost effective

Capillary electrophoresis is a suitable method for the qualitative and quantitative analysis of drugs in emerging countries.

-  background electrolyte aqueous
-  low solvent consumption ~ 1 µL
-  cheap material ~10€/m
-  low sample volume ~ 10 nL
-  effective cost ~2ct / analysis

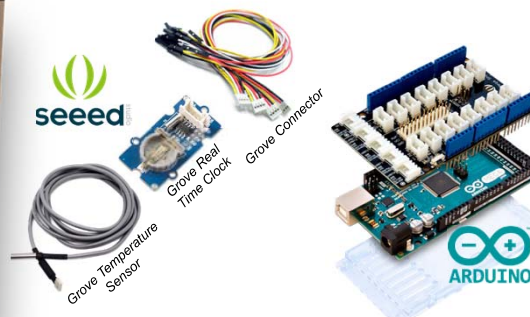


Open Source Components



Simple yet powerful

Our device contains many open source components. This ensures the durability of the device and involves the assistance of a large community for future development.



Build your own CE

Easy to buy standard components

Our device is built from standard components readily available around the world.

Build your own parts

Manufacturing techniques by laser cutting or 3D printing allow everyone to manufacture complex parts without specific knowledge.

Easy to assemble yourself

You only need a screwdriver.



Pharmelp

Promotion and training to CE technique

Pharmelp is a non-profit association created to support quality control and detection of counterfeit medicines in emerging countries.



Our goals

- Search for funds in order to finance CE devices
- Theoretical and practical training of laboratory staff
- Contribution of a scientific and technical support

<http://pharmelp.ch>

