

ULTRAFAST PEPTIDE DECOMPOSITION BY SUPERHEATING

Technology Overview

- Protein and peptides provide information about a cell, an organ etc.
- Peptide is very important for cellular functions and biomarkers.
- Fast peptide decomposition method is needed for sequence analysis.
- High resolution MS also need for protein and peptide analysis.

Core Technologies

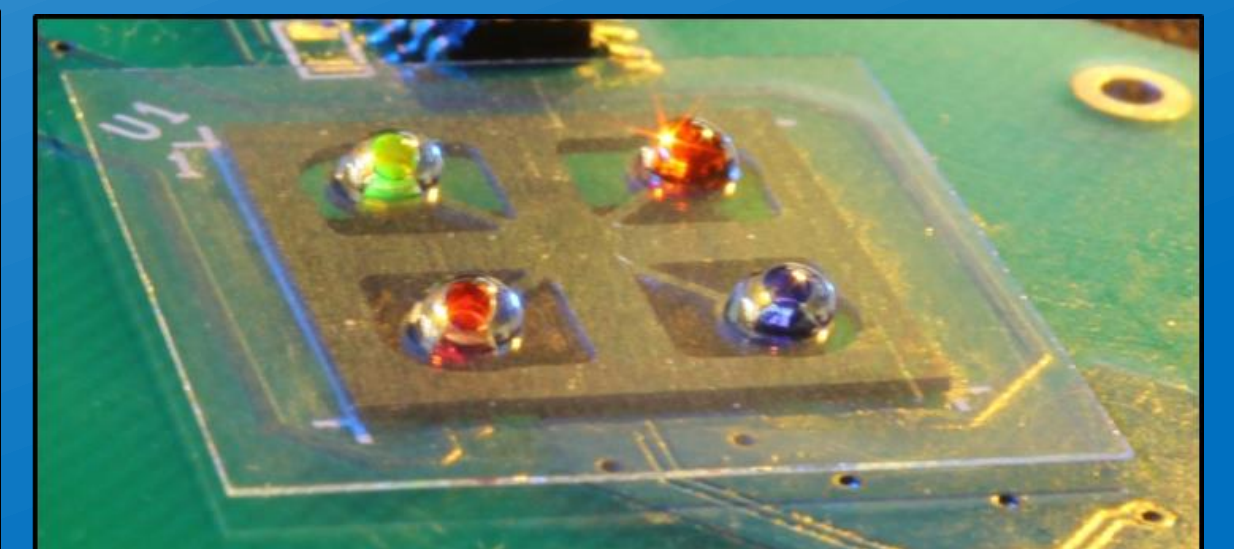
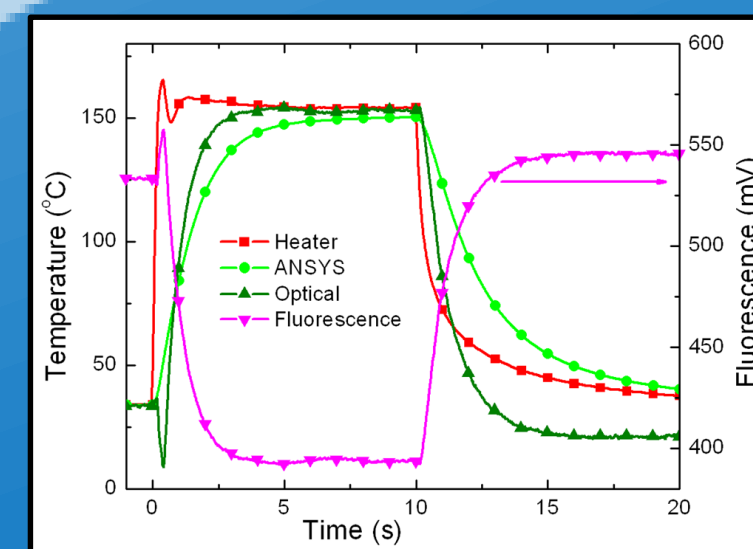
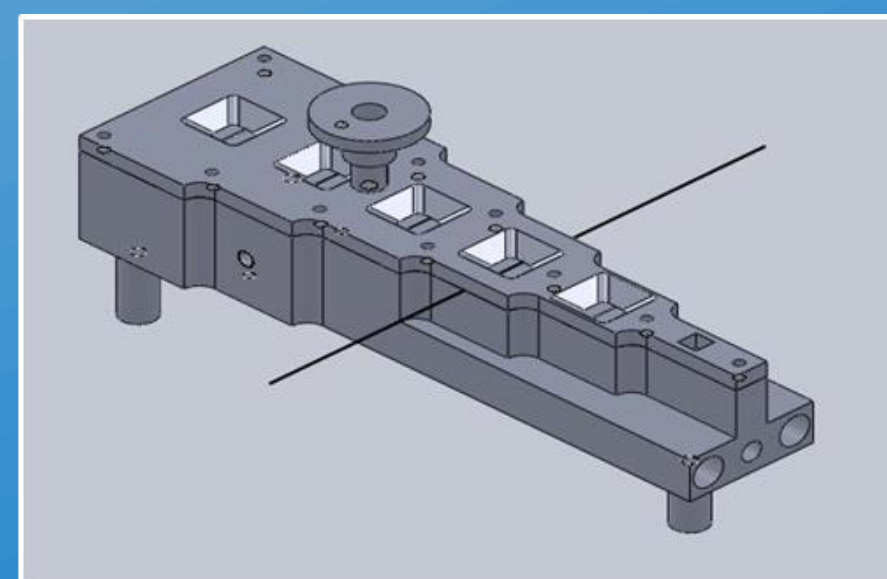
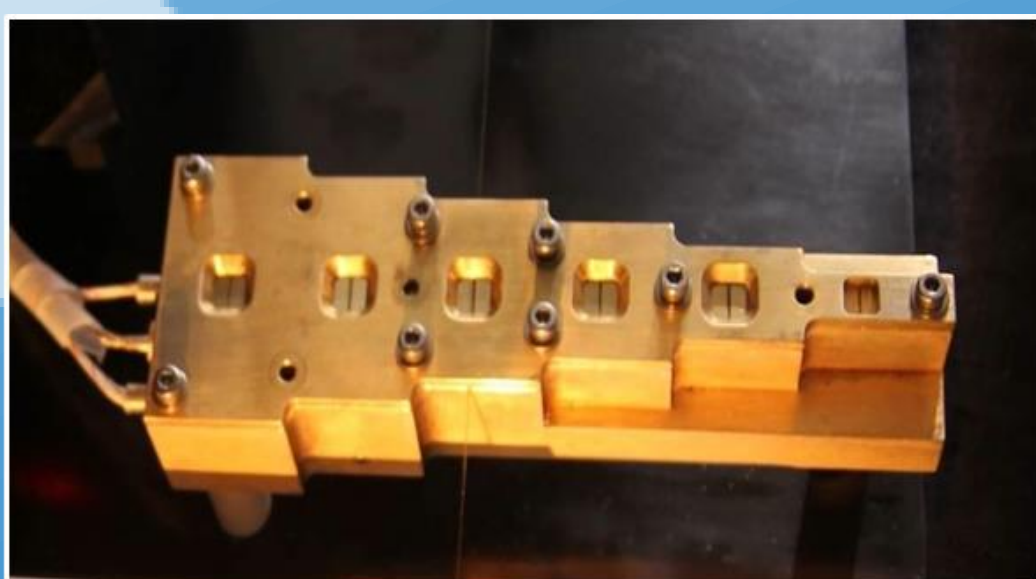
- Peptide decomposition with superheating method
- 100% sample recovery rate after the process
- No volume limitation for sample

Application Area and Advantages

- Easy to implement in flow-through processes
- Reagent free process
- Easy to miniaturization
- Easy to apply for real-time PCR and pyrosequencing devices

Accomplishments

- Paper was submitted
- Patent was filing
- We would like to transfer our technology to analysis company.



FAS17 coated (CVD) capillary flow through system:

- no difficult sample recovery
- no volume limitation

