

ACAMP Microfluidics
CHALLENGE #1

DEMO CHIP
ANALYTE IMPLEMENTATION

ACAMP (Alberta Centre for Advanced MNT Products) is a not-for-profit organization that provides specialized business services to MNT clients including Marketing & Business Development, Product Development, and Packaging and Assembly.

ACAMP Capabilities

LTCC Inertial Technology Integration
Microfluidics Optoelectronics & Photonics
System-in-a-Package Test & Characterization
High Temp Module Integration

ACAMP Microfluidics CHALLENGE #1 Demo Chip Analyte Implementation

Alberta Centre for Advanced MNT Products (ACAMP) actively supports innovation and commercialization in micro and nano technologies in Alberta. There are huge market opportunities in microfluidics and a large untapped potential in several industry sectors and product areas. Some of the biggest application areas for this technology is in Healthcare diagnostic and therapeutic applications. Despite the large market opportunity, microfluidics product development is complex, technically challenging requiring a multi-disciplinary approach. ACAMP wishes to encourage Alberta research and development teams to innovate in microfluidics based devices and we invite you to participate in the ACAMP Microfluidics Challenge.

ELIGIBILITY

We are soliciting proposals from SME's and research & development teams from Western Canada academic institutions and research institutes.

PROPOSAL

ACAMP has developed a Microfluidics Demo Chip which includes micro channels, a filter, a plug and capillary pumping. These chips are provided as a reference design for implementing your bioassay. The proposal should not exceed 2 pages. Please provide one page summary and use the second page for any drawings. The summary should include the following:

1. Market opportunity
2. Description of bioassay or test to implement on the Demo Chip & number of chips required to test the proposal
3. If the test cannot be implemented on the existing demo chip, what changes would be required.
4. Team members and brief backgrounds

PRIZE

ACAMP will review and evaluate all proposals for commercialization potential. The best proposal will be selected based on the detection or treatment of human health issues using microfluidics. The winning proposal will receive ACAMP in-kind services for product development and business development services worth \$2,500 (3rd party costs and materials will not be included), also, a small batch of demo chips will be supplied free of cost to the prize winner for testing the proposal.

TIMELINE

The deadline for submitting the proposals is January 25, 2013. The winning proposal will be announced on February 08, 2013. ACAMP services will be delivered to the winning team over a period of 4 months to a maximum value of \$2500.

CONTACT

The proposals should be submitted to info@acamp.ca with the subject line: ACAMP Microfluidics Challenge #1.

For any enquiries about the competition, please contact: Nagu Yaddanapudi, Business Development Manager, ACAMP (email: naguy@acamp.ca).