

BECKMAN COULTER LUMIGEN SPARCL CASE STUDY

# Monsanto Company

## Introduction

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This case study of Monsanto Company is based on an August 2016 survey of Beckman Coulter Lumigen SPARCL customers by TechValidate, a 3rd-party research service.



“SPARCL is ideal for testing protein in a high throughput lab as it requires short assay time and reduction in reaction volume thus lowering the turn around time for the lab.”

## Challenges

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The business challenges that led the profiled company to evaluate and ultimately select Beckman Coulter Lumigen SPARCL:

- Considers the following factors important in their purchasing decision:
  - Cost savings
  - Ease of automation
- Purchased SPARCL for the following reasons:
  - Cost savings
  - Ease of use
  - Rapid assay run time
  - Rapid assay development time
  - Throughput

## Use Case

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The key features and functionalities of Beckman Coulter Lumigen SPARCL that the surveyed company uses:

- Currently uses the following platform:
  - Colorimetric ELISA
- Plans to use SPARCL for the following immunoassay format:
  - ELISA replacement

## Results

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The surveyed company achieved the following results with Beckman Coulter Lumigen SPARCL:

- Rates the following SPARCL capabilities as better than the competition:
  - Antibody labeling
  - No-wash steps
  - Short incubation
  - Straightforward conversion from other assays
  - Throughput
- Extremely satisfied with their experience using SPARCL.

### Company Profile

Company:  
**Monsanto Company**

Company Size:  
**Global 500**

Industry:  
**Agriculture**

### About Beckman Coulter Lumigen SPARCL

Lumigen is one of the world's largest suppliers of chemiluminescent reagents to the clinical immunodiagnostics market.

Lumigen researches, develops, manufactures and markets novel chemiluminescent compounds for use in life science research and medical diagnostics.