

# One Cell Systems, Inc.

## Secretion Assay

### Products and Services

One Cell Systems' Gel Microdrop Assays are available through either: a Lease program which includes use of the equipment and consumables necessary for Gel Microdrop Assays, or the Cell Screening Service. Screening is performed at One Cell's Flow Cytometry Center, which houses fluorescence activated cell sorters and analyzers.

Two Lease programs are available: 1) Research Lease or 2) Commercial Lease. The Research Lease is appropriate when GMD Technology is used to facilitate an organization's internal research. Two Research Lease programs are available: one for Companies and one for Non-Profit organizations. If use of GMD Technology is directed toward a commercial product then you should enter a Commercial Lease Agreement. Frequently, industrial customers initially begin using GMD products under the terms of a Research Lease. It is important that you review the lease with your legal counsel. This process should be promptly initiated to ensure timely delivery of your GMD System. Contact your One Cell Systems representative to obtain the appropriate draft Lease agreement. We would be pleased to discuss your requirements in detail.

#### Secretion Assay Research Lease

**Equipment:** CellSys 100™ Microdrop Maker (includes ice-water bath container and one 12.3 cm autoclavable stainless steel shaft/blade assemblies).

**Reagents:** 1.8 liters of sterile CelMix™ 200 Emulsion Matrix and 120 x 0.5 mL aliquots of sterile CelBioGel™ Encapsulation Matrix; enough reagents for 10 assays per month.

**Training:** Up to two days of training for two people in encapsulation and cytometry techniques at One Cell Systems facility. Training at the customer's site is available on a per diem basis.

**Technical Support:** One Cell Systems' scientists are available to provide telephone technical support to customers.

**Lease Term:** 12 months

**Lease Payment:** US \$40,000 for the Initial Lease Term

**Payment Schedule:** US \$15,000 due prior to shipment of Equipment. US \$25,000 due by the beginning of Month 4.

## **Non-Profit Secretion Assay Research Lease**

**Same as Research Lease above except:**

**Lease Payment:** US \$20,000 for the Initial Lease Term

**Payment Schedule:** US \$8,000 due prior to shipment of Equipment. US \$12,000 due by the beginning of Month 4.

## **Secretion Assay Commercial Lease**

**Equipment:** CellSys™ 100 Microdrop Maker (includes ice-water bath container and two 12.3 cm autoclavable stainless steel shaft/blade assemblies).

**Reagents:** 3.6 liters of sterile CelMix™ 200 Emulsion Matrix and 240 x 0.5 mL of sterile CelBioGel™ Encapsulation Matrix; enough reagents for 20 assays per month.

**Training:** Up to three days of training for two people in encapsulation and cytometry techniques at One Cell Systems facility. Training at the customer's site is available on a per diem basis.

**Technical Support:** One Cell Systems' scientists are available to provide telephone technical support to customers.

**Lease Term:** 12 months

**Lease Payment:** US \$80,000 for the Initial Lease Term

**Payment Schedule:** US \$25,000 due prior to shipment of Equipment. US \$55,000 due by the beginning of Month 4.

## **Cell Screening Services**

The Cell Screening Service is comprised of five phases: 1) Evaluation of the Cell Line after encapsulation; 2) Assessment of Reagents; 3) Secretion Assay Optimization; 4) Cell Screening and Selection; and 5) Delivery of the sorted cells. One Cell Systems works closely with each client to address specific goals and requirements, and to isolate high secreting cells in a timely, cost-effective manner.

An overview of the Screening Service and typical Milestone payments follows:

## Cell Screening Service

<b>Stage</b>	<b>Time</b>	<b>Payment Due</b>
Service Agreement/Material Transfer		\$6,000 in advance
Evaluate Cell Line	2-4 weeks	\$6,000 at report
Evaluation of cell viability and growth in Gel Microdrops Recovery of viable cells from Gel Microdrops Surfactant compatibility Culture and processing methods		
Assess Reagents	1-2 weeks	\$6,000 at report
Evaluation of antibody pair, target protein and other reagents		<i>Evaluation of alternative antibodies can be performed at additional cost.</i>
Optimize Assay	1-2 weeks	\$6,000 at report
Establish optimal conditions for assessing protein secretion and performing flow sorting		
Screen and Select Cells	2-4 weeks	\$6,000 at report
Select High Secretors Culture Assay for protein production		<i>Additional rounds of enrichment can be performed at additional cost.</i>
Cryopreserve and Deliver Cells frozen and delivered Final report and recommendations	1 week	

Client has the option to continue the program at each stage.  
 OCS will continue only upon receipt of written notice to proceed.  
 Client also has the option of performing additional studies at each stage, i.e.: to evaluate alternative antibodies, cell lines, etc., at the noted price.

One Cell Systems' technology includes the processes, materials and methods of encapsulating cells in Gel Microdrops allowing detection, selection and analysis of individual cells using conventional methods. The technology and products are covered by numerous issued and pending United States and International Patents.