

## **Simulated Distillation Analyzer**

Simulated Distillation (SimDist) is a gas chromatographic technique that is used to separate crude oils into the component fractions based on the boiling point, therefore simulating the results of a distillation tower. The GC-FID curves are collected using Agilent GC 8890. Boiling points of the components can be assigned to the time axis of a calibration curve, which is termed a boiling point distribution curve, based on the results of a known mixture of normal paraffin hydrocarbons covering the range of interest. The paraffin hydrocarbons serve as markers, allowing the time that specific paraffins of known boiling points elute to be identified. Plotting the area of the markers versus the boiling point ranges allows for the creation of boiling point distributions for specific crude oils and multicomponent blends.

### **Charging Standard (Per sample):**

\$100 (Internal) \$200 (External academic) \$400 (Industry user)

### **Current Situation:**

It's in good condition for service.

### **Contact information:**

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