

## One-drop CD spectra measurement of organic compounds and metal-complexes using Micro sampling disk

### Introduction

CD spectra measurement can be used for spectra measurement of organic compounds and metal-complexes. In this note, we show several CD spectra data concerning organic compounds having an absorption in the UV region and metal-complexes having an absorption in the UV/Vis region.

**Keywords:** One-drop measurement, Circular Dichroism, Organic compound, Metal-complex

### Results

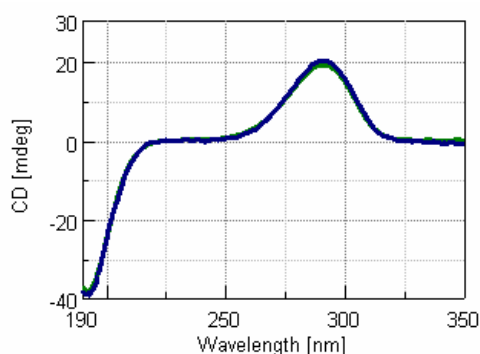


Fig. 1 (1S)-(+)-10-Camphorsulfonic acid, ammonium salt

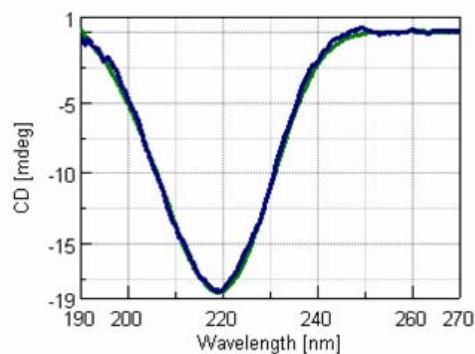


Fig. 2 D-Pantolactone

Micro sampling disk (MSD) : — Conventional cell: —

Sample volume: 10 $\mu$ L(MSD), 400 $\mu$ L (Conventional cell)	Path length: 1 mm,
Bandwidth: 1 nm	Data Interval: 0.1 nm
Response: 2 sec	Accumulation: 4 times (MSD), 1 time (Conventional cell)
	Scan speed: 100 nm/min

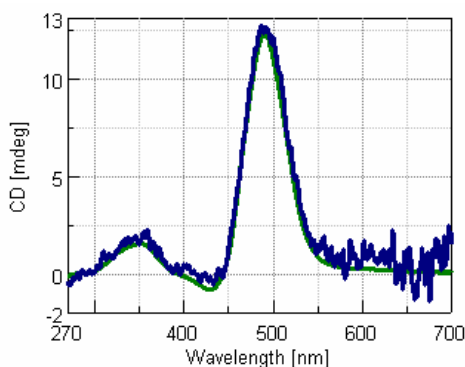


Fig. 3 2(+)-D-[Coen<sub>3</sub>]Cl<sub>3</sub>NaCl-6H<sub>2</sub>O

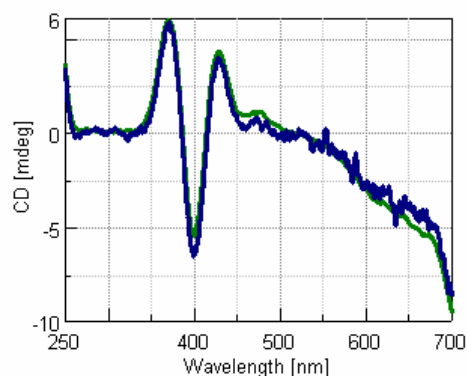


Fig. 4 (0.24M) NiSO<sub>4</sub>+(0.36M) Rochelle salt

Micro sampling disk (MSD) : — Conventional cell: —

Sample volume: 10 $\mu$ L(MSD), 400 $\mu$ L (Conventional cell)	Path length: 1 mm,
Bandwidth: 1 nm	Data Interval: 0.1 nm
Response: 2 sec	Accumulation: 9 times (MSD), 1 time (Conventional cell)
	Scan speed: 200 nm/min