

Cary-60 UV-Vis Absorption Spectrometer

Operation instructions

© Laser Spectroscopy Labs, UCI

- 1. The computer and instrument normally stays on. If the computer has been switched off by previous user please, switch it on. The user name is D (no password).
- 2. If the instrument has been switched off, switch on the instrument by the knob:



Wait till the button stops blinking.

- 3. Double click on Scan icon on desktop. Wait till the instrument will fully initialize.
- 4. To select experimental parameters, select Setup.

Setup
Zero
Baseline

5. Select your ranges, measurement options, like scan speed which contain resolution parameter.

≚Mode Start 800.0	nm	Stop 200.0	⊻ Mode	Abs ~	Factor	1.0000	
			Ymin	-0.05	Y max	1.00	
<u>Cycle</u> Cycle mode Cycle count	1		<u>B</u> eam f	fode Beam mode	Dual Beam	~	
Cycle time Scan Controls Simple Slowest	1.00	min Advanced Advinced	Fastest	- T Survey	emperature <u>M</u> onito Monitor Lisplay Options — O Individual data	Bath V	
					Overlay data		

6. Click baseline tab, select "Baseline correction" and select OK.

Setup							×
Cary Baseline , Baseline Selection	Accessories 1 Ac	ccessories 2 Sa	amplers Repor	ts Auto Store			
Baseline Selection	correction correction	Retrieve B	aseline file		iew Baseline file fiew Std Ref file		

- 7. Click on "Zero" for lamp intensity correction. When performing this procedure sample compartment has to be empty.
- **8.** Click on "Baseline" Place the blank in the sample compartment. Click Ok to scan baseline.



9. Remove the blank and insert your sample. Click on the Start, save your file under a unique name.



10. If you finished with the measurement, select Finish. If you want to measure another sample with the same parameters, select Ok.

Sample Name					
Sample Name:	sample2				~
OK	Fini	sh	Help]	

11. Save your data in File/Save As.

<u>A.</u> (Scan - Online
<u>F</u> ile	<u>E</u> dit <u>V</u> iew <u>C</u> ommands
Ľ	New Method
2	Open Method Ctrl+O
	Open Data Ctrl+N
	Save Method As
	Save Data As Ctrl+S
	Print Setup
<u>à</u>	Print Preview
9	Print Ctrl+P
	Explorer
	Exit

- **12.** After finishing the experiments, close software.
- **13.** Leave the instrument on, leave the computer on.