

Materials List for:

Total Internal Reflection Absorption Spectroscopy (TIRAS) for the Detection of Solvated Electrons at a Plasma-liquid Interface

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Materials

Name	Company	Catalog Number	Comments
Function Generator	Protek	B8055	
Lock-in Amplifier	Stanford Research Systems	SR830	
High-Voltage Power Supply	Stanford Research Systems	PS325	
Photodetector	Self-built		
Flowmeter	Key Instruments	60310 R5	
Flow controller	Omega Engineering	FMA 5400A/5500A	
Camera	Dino-lite	Dinocapture 2.0	
Voltmeter	Amprobe	AM-510	
Optical Cage System	Thorlabs		30 mm cage system
Goniometers	Thorlabs	RP01 - Ø2	Manual rotation stage
Diode lasers	Thorlabs		
Electrochemical cell	Adams & Chittenden Scientific Glass	Custom-made product	
Stainless steel capillary	Restek		0.007 in. ID
SHV Coax Cable	SRS	Custom-made product	
Sodium Perchlorate	Sigma-Aldrich		ACS reagent, ≥98.0%
Argon	Airgas	AR UHP300	Ultra-high purity
LabVIEW	National Instruments		Software used to generate in-house program used to collect data