

# Systematic Approach to Identify Novel Antimicrobial and Antibiofilm Molecules from Plants' Extracts and Fractions to Prevent Dental Caries

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## Materials

Name	Company	Catalog Number	Comments
96-well microplates	Kasvi	Flat bottom	
Activated carbon	LABSYNTH	Clean up and/or fractionation step	
Analytical mill	Ika Labortechnik	Model A11 Basic	
Blood agar plates	Laborclin		
Chromatographic column C18	Phenomenex Kinetex	150 × 2.1 mm, 2.6 μm, 100Å	
Dimethyl sulfoxide	Sigma-Aldrich	Vehicle solution	
ELISA plate reader	Biochrom Ez		
Ethanol	J. T. Baker	For extraction and fractionation steps, and mobile phase composition	
Ethanol	Sigma-Aldrich	Vehicle solution	
Ethyl acetate	J. T. Baker	Fractionation step	
GraphPad Software	La Jolla	GraphPad Prism7	
Hexane	J. T. Baker	Fractionation step	
Incubator	Thermo Scientific		
Isopropanol	J. T. Baker	For extraction step	
Lyophilizer (a freeze dryer)	Savant	Modulyo	
Nylon Millipore	LAC	0.22 μm x 13 mm	
Orbital shaker	Quimis	Model G816 M20	
Polyamide solid phase extraction cartridge	Macherey-Nagel	Clean up and/or fractionation step	
Silica gel	Merck	40–63 μm, 60 Å	
Sodium Chloride (NaCl)	Synth	0,89% in water	

Solid phase extraction cartridges (SPE)	Macherey-Nagel	Clean up and/or fractionation step	
Tryptone	Difco		
UHPLC-DAD	Dionex	Ultimate 3000 RS	
Ultrasonic bath	UNIQUE	Model USC 2800	
Yeast extract	Difco		