

Materials List for

Simple In-House Ultra-High Performance Capillary Column Manufacturing with the FlashPack Approach

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Materials

Name	Company	Catalog Number	Comments
Acetonitrile with 0.1% (v/v) Formic acid	Merck	1.59002	
centrifuge tube 1.5 mL	Eppendorf		
Ceramic Scoring Wafer	Restek	20116	any ceramic wafer is suitable for capillary polishing
Diamond-chip bladed scribe	NewObjective	Diamond-chip bladed scribe	recommended for capillary cutting
fused silica capillary 100 mm ID 375 mm OD	CM Scientific	TSP100375	
GELoader tips	Eppendorf	30001222	
HPLC system	ThermoScientific	Ultimate3000 RSLCnano	
laser puller	Sutter	P2000/F	
magnet bar 2x5 mm	Merck	Z283819	
MeOH	Merck	1.06018	
microspatula	Merck	Z193216	
PEEK ferrule 360 mm	VICI	JR-C360NFPK	use to connect the column to UPLC union
pipette tip, 1000 uL	Merck	Z740095	
pipette, 1000 uL	Gilson	Pipetman L P1000L	
pressure bomb	NextAdvance	PC-77 MAG	
regulator	GCE	Jetcontrol 600 200/103	
Reprosil Pur C18 AQ 120 1.9 mm	Dr. Maisch	r13.aq.0001	
Screw cap tubes without caps, conical bottom, self-standing, 0.5 mL	Merck	AXYST050SS	
Screw cap tubes without caps, conical bottom, self-standing, 1.5 mL	Merck	AXYST150SS	
Screw caps with O-rings	Merck	AXYSCOC	
sonication bath	Elma	Elmasonic S30 H	

union HPLC	VICI	JR-C360RU1PK6	HPLC connection from 1/16 OD HPLC capillary to 360 um capillary column
union UPLC	VICI	JR-C360RU1FS6	UPLC connection from 1/16 OD HPLC capillary to 360 um capillary column
vortex	BioSan	V-1plus	
Water with 0.1% (v/v) Formic acid	Merck	1.59013	