Protasis Corporation

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Enhanced CapNMR™ 600 MHz Indirect Carbon Gradient probe

Nuclei	$^{1}H\{^{13}C\}/^{2}H$ lock	
^{1}H Frequency	600 MHz	
Gradient	z-Directed	
NMR Flowcell	5 µL, EOF	
Fluidic Connectors	Hastalloy unions compatible with all known NMR solvents and designed to accommodate standard 1/16" and 1/32" o.d. tubing	
Resolution/Lineshape (^{1}H)	(5% $CHCl_3$ in acetone-d_6, stopped flow, flowcell filled, LB=0)	
	50%	< 1 Hz
	0.55%	< 10 Hz
	0.11%	< 20 Hz
Proton 90° Pulse Width		≤ 5 µs
Indirect Detect Carbon 90° Pulse Width		≤ 15 µs
VT Control* (gas source supplied by customer)		0 - 50 °C
Proton Signal to Noise		

10 mM sucrose in 100% D_2O with 0.1 mM NaN_3, quantity sufficient to overfill flowcell. Anomeric proton. LB=0.7 Hz.	> 36:1 single scan

RF connectors	BNC
RF Homogeneity (450°/810°)	75%/50%
Gradient Specifications	

Strength: (typical)	35 G/cm/A
Maximum recommended duty cycle	< 10 %
Maximum recommended drive current	< 10 A

*** For Bruker and JEOL systems, probe interfaces to spectrometer manufacturer's heater, supplied by customer**