

Ludger Glycan Standards and Controls

Ludger Glycan Standards and Controls			Process positive control for release-labelling-analysis				Release Process positive control				Labelling Process positive control				MS System suitability		(u)HPLC System suitability				GU Calibration		WAX System Suitability		CE System Suitability	Structure Identification by retention time or m/z matching				Quantification				Exoglycosidase control									
Product Category	Ludger Code	Product Description	SA	MONO	N	O	SA	MONO	N	O	SA	MONO	N	O	N	O	SA	MONO	N	O	N	O	N	O	N	SA	MONO	N	O	SA	MONO	N	O	N	O								
Glycoprotein/Glycopeptides	GCP-IGG	IgG Glycoprotein	●	●	●		●	●	●																																		
	GCP-FET	Fetuin Glycoprotein	●	●	●	●	●	●	●	●																																	
	BQ-GPEP-A2G2S2	GPEP-A2G2S2	●	●	●		●	●	●																	●	●	●		●	●												
Monosaccharide and Sialic Acid standards	CM-SRP	SRP Sialic Acid Reference Panel									●						●									●																	
	CM-NEU-AC	Neu5Ac									●															●																	
	CM-NEU-GC	Neu5Gc									●														●																		
	CM-NEU5,9AC2	Neu5,9Ac ₂									●														●																		
	CM-MONOMIX	MonoMix										●							●							●																	
	CM-XYL	Xylose										●														●																	
Unlabelled N-Glycans	CN-x	Bi, Tri and Tetra-antennary N-glycans												●					●									●															
	CN-Man-x	High Mannose N-glycans												●					●									●															
	BQ-CHITOTRIOSE	Chitotriose												●	●				●	●																		●					
	BQ-CN-MAN8	Man8												●					●										●														
	CLIBN-IGG	IgG N-glycan library												●					●									●															
	SA-MAB4	Mab 4 glycan ref panel												●					●								●																
	CLIBN-FETUIN	Fetuin N-glycan library												●					●								●																
	CLIBO-FETUIN	Fetuin O-glycan library													●					●																							
2-AB labelled glycans	CAB-GHP	2-AB labelled Glucose Homopolymer																	●	●		●	●					●	●														
	BQ-CAB-CHI	2-AB labelled Chitotriose													●	●			●	●																	●	●					
	CAB-IGG	2-AB labelled IgG N-glycan library													●				●									●												●			
	CAB-x	Bi, Tri and Tetra-antennary N-glycans													●				●							●														●			
	CAB-Man-x	High Mannose N-glycans													●				●								●													●			
	CAB-Cx-x	O-glycans														●				●						●															●		
	CAB-AlphaGal	Alpha-Gal standard																																						●			
2-AA labelled glycans	CAA-GHP	2-AA labelled Glucose Homopolymer																	●	●		●	●					●	●														
	BQ-CAA-CHI	2-AA labelled Chitotriose													●	●			●	●																	●	●					
	CAA-x	Bi, Tri and Tetra-antennary N-glycans													●				●						●															●			
	CAA-Man-x	High Mannose N-glycans													●				●								●														●		
	CAA-AlphaGal	Alpha-Gal standard																																						●			
APTS labelled glycans	CAPTS-IGG	APTS labelled IgG N-glycan library																	●						●			●												●			
	CAPTS-x	APTS labelled N-glycans																	●						●			●												●			
PROC labelled glycans	CPROC-GHP	PROC labelled Glucose Homopolymer													●				●	●		●	●					●	●														
	CPROC-IGG	Proc labelled IgG N-glycan library													●				●								●													●			
	CPROC-x	Bi and Tri-antennary N-glycans													●				●								●														●		
	CPROC-Man-x	High Mannose N-glycans													●				●								●														●		
Permethylated Glycan Standards	CPM-IGG	Permethylated IgG N-glycans													●													●															
	CPM-C13-IGG	Permethylated (¹³ C) IgG N-glycans													●													●										●					

SA: Sialic Acid / MONO: Monosaccharide / N: N-Glycans / O: O-Glycans

▲ requires labelling first