

Natriuretic Peptide Assay Interference Table Designated by Manufacturer: Hemolysis and Biotin
IFCC Committee on Clinical Applications of Cardiac Biomarkers (C-CB) v082025

			Hemolysis				Biotin					
Company	Assay	Platform	Hemolysis limit (no interference up to stated value)	Influence of hemolysis greater than the threshold (+/-)	Hemolysis assessment	Acceptance criteria*	Biotinylated antibody	Biotin used in assay configuration	Interference threshold	Acceptance criteria**	Highest biotin concentration tested	Influence of biotin above the threshold (+/-)
Abbott Diagnostics	BNP	ARCHITECT	5.0 g/L (500 mg/dL)	ND	Quantitative	ND	No	No	ND	NA	ND	ND
	BNP (OUS)	Alinity	5.0 g/L (500 mg/dL)	ND	Quantitative	ND	No	No	ND	NA	ND	ND
	NT-proBNP (OUS)	ARCHITECT	1 g/L (100 mg/dL)	ND	Quantitative	≤10%	Yes	Yes	100 µg/L	≤10%	100 µg/L	ND
	NT-proBNP (OUS)	Alinity	1 g/L (100 mg/dL)	ND	Quantitative	NP	Yes	Yes	4,250 µg/L	≤10%	4,250 µg/L	ND
Beckman Coulter	BNP (OUS)	Access 2, UniCel Dxl	5.0 g/L (500 mg/dL)	ND	ND	≤10%	Yes (pre-bound)	Yes (pre-bound)	ND	NA	NA	NA
	BNP (US)	Access 2, UniCel Dxl	5.0 g/L (500 mg/dL)	ND	ND	≤10%	Yes (pre-bound)	Yes (pre-bound)	ND	NA	NA	NA
	NT-proBNP (OUS)	Dxl 9000	10 g/L (1,000 mg/dL)	ND	ND	≤10%	No	No	30,000 µg/L	≤10%	30,000 µg/L	ND
	NT-proBNP (US)	Dxl 9000	10 g/L (1,000 mg/dL)	ND	ND	≤10%	No	No	30,000 µg/L	≤10%	30,000 µg/L	ND
Lifotronic	NT-proBNP (OUS)	eCL8000, eCL8000i, eCL8000p, eCL8000x, eCL8600, eCL8600i, eCL8600p, eCL8800, eCL8800i, eCL8800p, eCL9000, eCL9600, eCL9900, eCL9900i	5.0 g/L (500 mg/dL)	ND	Qualitative ¹	±10%	Yes ¹	Yes ¹	100 µg/L	±10%	100 µg/L	(-) ¹
	NT-proBNP STAT (OUS)	eCL8000, eCL8000i, eCL8000p, eCL8000x, eCL8600, eCL8600i, eCL8600p, eCL8800, eCL8800i, eCL8800p, eCL9000, eCL9600, eCL9900, eCL9900i	5.0 g/L (500 mg/dL)	ND	Qualitative ¹	±10%	Yes ¹	Yes ¹	100 µg/L	±10%	100 µg/L	(-) ¹
Maccura	BNP (OUS)	i1000, i1000L, i1000S, i800, i820, i6000, i8000, i9000	2.5 g/L (250mg/dL)	ND	Qualitative ¹	±10%	Yes ¹	Yes ¹	1000 µg/L	±10%	1000 ng/mL	ND
	NT-proBNP (OUS)	i3000, i1000, i1000L, i1000S	19 g/L (1900 mg/dL) ¹	ND	Qualitative ¹	±10%	Yes ¹	Yes ¹	100 µg/L ¹	±10%	100 µg/L ¹	ND
Mindray	NT-proBNP (OUS)	CL-series	6.00 g/L (600 mg/dL)	(-) ¹	Quantitative	±10%	Yes ¹	Yes ¹	1200 µg/L	±10%	1200 µg/L	(+) ¹
PHC Corporation	NT-proBNP (US)	PATHFAST	1.4 g/L (1,400 mg/dL)	ND	Quantitative ¹	10%	No	No	1500 µg/L ¹	±20% ¹	1500 µg/L ¹	ND
	NT-proBNP (OUS)	PATHFAST	1.4 g/L (1,400 mg/dL)	ND	Quantitative ¹	10%	No	No	1500 µg/L ¹	±20% ¹	1500 µg/L ¹	ND

			Hemolysis				Biotin					
Company	Assay	Platform	Hemolysis limit (no interference up to stated value)	Influence of hemolysis greater than the threshold (+/-)	Hemolysis assessment	Acceptance criteria*	Biotinylated antibody	Biotin used in assay configuration	Interference threshold	Acceptance criteria**	Highest biotin concentration tested	Influence of biotin above the threshold (+/-)
QuidelOrtho	NT-proBNP II	VITROS ECI/ECIQ	10 g/L (1,000 mg/dL)	NA	Quantitative	<10%	Yes	Yes (pre-bound)	NA	<10%	3510 µg/L	NA
	NT-proBNP II	VITROS XT 7600	10 g/L (1,000 mg/dL)	NA	Quantitative	<10%	Yes	Yes (pre-bound)	NA	<10%	3510 µg/L	NA
	NT-proBNP II	VITROS XT 3600	10 g/L (1,000 mg/dL)	NA	Quantitative	<10%	Yes	Yes (pre-bound)	NA	<10%	3510 µg/L	NA
	NT-proBNP II	VITROS XT 5600	10 g/L (1,000 mg/dL)	NA	Quantitative	<10%	Yes	Yes (pre-bound)	NA	<10%	3510 µg/L	NA
	BNP POC (OUS)	Triage	10 g/L (1,000 mg/dL)	No	ND	ND	No	No	ND	ND	ND	ND
	BNP Profiler SOB POC	Triage	5.0 g/L (500 mg/dL)	(+)	ND	ND	No	No	ND	ND	ND	ND
	BNP Cardio2, Cardio 3 POC (OUS)	Triage	1.0 g/L (100 mg/dL)	No	Nd	ND	No	No	ND	ND	ND	ND
	NT-proBNP POC	Triage	5.0 g/L (500 mg/dL)	No	ND	ND	No	No	ND	ND	ND	ND
Radiometer	NT-proBNP POC	AQT90 FLEX	NP	(-) ¹	NP	NP	NP	NP	2600 µg/L	≤16%	(2600 µg/L	NP
RealMind Biotech	BNP (OUS)	ACL2800, ACL2800S, MCL60, A6I	2.5 g/L (1000 mg/dL)	(+) ¹	Qualitative ¹	±10%	Yes	Yes	24.43 µg/L	NA	36.65 µg/L ¹	ND
	NT-proBNP (OUS)	ACL2800, ACL2800S, MCL60, A6I	10 g/L (1000 mg/dL)	(-) ¹	Qualitative ¹	±10%	No	No	ND	NA	ND	ND
Roche Diagnostics	Elecsys proBNP II 18 min (NT-proBNP OUS)	Cobas e411	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 18 min (NT-proBNP OUS)	Cobas e601, e602	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 18 min (NT-proBNP US)	Cobas e411	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 18 min (NT-proBNP US)	Cobas e601, e602	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 18 min (NT-proBNP US)	Cobas e402, e801	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 9 min (NT-proBNP US)	Cobas e402, e801	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 18 min (NT-proBNP OUS)	Cobas e402, e801	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 9 min (NT-proBNP OUS)	Cobas e402, e801	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND

			Hemolysis				Biotin					
Company	Assay	Platform	Hemolysis limit (no interference up to stated value)	Influence of hemolysis greater than the threshold (+/-)	Hemolysis assessment	Acceptance criteria*	Biotinylated antibody	Biotin used in assay configuration	Interference threshold	Acceptance criteria**	Highest biotin concentration tested	Influence of biotin above the threshold (+/-)
Roche Diagnostics	Elecsys proBNP II 9 min STAT (NT-proBNP OUS)	Cobas e601, e602	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
	Elecsys proBNP II 9 min STAT (NT-proBNP OUS)	Cobas e601, e602	10 g/L (1,000 mg/dL)	ND	Quantitative	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	Yes	Yes	3500 µg/L	±10 ng/L if NT-proBNP ≤ 100 ng/L ±10% if NT-proBNP >100 ng/L	3500 µg/L	ND
Siemens Healthineers	BNP [#] (BNP OUS)	ADVIA Centaur XP/XPT	1.0 g/L (100 mg/dL)	ND	Qualitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-) ¹
	BNP [#] (BNP OUS)	ADVIA Centaur CP	1.0 g/L (100 mg/dL)	ND	Qualitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-) ¹
	PBNP [#] (NT-proBNP OUS)	ADVIA Centaur XP/XPT	1.0 g/L (100 mg/dL)	ND	Qualitative ¹	±10%	Yes	Yes	75 µg/L	±10%	1500 µg/L ¹	(-) ¹
	PBNP [#] (NT-proBNP OUS)	ADVIA Centaur CP	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	75 µg/L	±10%	1500 µg/L ¹	(-) ¹
	PBNP [#] (NT-proBNP OUS)	Atellica IM	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	75 µg/L	±10%	1500 µg/L ¹	(-) ¹
	PBNP [#] (NT-proBNP OUS)	Atellica CI	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	75 µg/L	±10%	1500 µg/L ¹	(-) ¹
	BNP (BNP OUS)	Atellica IM	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-)
	BNP (BNP US)	Atellica IM	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-)
	BNP (BNP OUS)	Atellica CI	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-)
	BNP (BNP US)	Atellica CI	1.0 g/L (100 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	38 µg/L	±10%	3510 µg/L	(-)
	BNP	Dimension Vista	5.0 g/L (500 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	100 µg/L	±10%	NP	(-) ¹
	PBNP II (NT-proBNP)	ADVIA Centaur XP/XPT	10 g/L (1,000 mg/dL)	ND	Qualitative ¹	±10%	Yes	Yes	3510 µg/L	±10%	3510 µg/L	ND
	PBNP II (NT-proBNP)	Atellica IM	10 g/L (1,000 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	3510 µg/L	±10%	3510 µg/L	ND
	PBNP II (NT-proBNP)	Atellica CI	10 g/L (1,000 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	3510 µg/L	±10%	3510 µg/L	ND
	NT-proBNP	Dimension EXL	10 g/L (1,000 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	250 µg/L	±10%	1200 µg/L	(-)
	PBNP (NT-proBNP)	Dimension	10 g/L (1,000 mg/dL)	ND	Quantitative ¹	±10%	No	No	NA	NA	NA	NA
	NT-proBNP	Dimension Vista	10 g/L (1,000 mg/dL)	ND	Quantitative ¹	±10%	Yes	Yes	250 µg/L	±10%	1200 µg/L	(-)
	NT-proBNP	IMMULITE 2000	6.0 g/L (600 mg/dL)	ND	NP	Within precision of the assay	NP	NP	1500 µg/L	±10%	1500 µg/L	ND
	Acute Care PBNP test pack (NT-proBNP OUS)	Stratus CS	10 g/L (1,000 mg/dL)	ND	Qualitative (plasma)	±10%	No	No	ND	ND	ND	ND

ND: Not Determined, NA: Not Applicable

*Acceptance criteria were those defined in the package insert for determining whether interference was considered significant or not.

¹ Information not reported in a Package Insert or a published manuscript. For more information, please contact the manufacturer.