

Reference Material: Lysosomal Storage Disorders

Product ID: LSDQC-08

Expiration Date: September 2025

Analysis Method (GALC, GAA, IDUA, GLA, ABG, ASM): Flow Injection Analysis MS/MS Non-kit (GALC, GAA, IDUA, GLA, ABG, ASM)

Units (GALC, GAA, IDUA, GLA, ABG, ASM):  $\mu\text{mol/hr/L}$  blood

Analysis Method (I2S): LC-MS/MS non-kit (I2S)

Units (I2S):  $\mu\text{mol/hr/L}$  blood

Material Storage:  $-20^{\circ}\text{C} \pm 10^{\circ}\text{C}$

Lot	Analyte	Mean Activity		
		Level	95% LL	95% UL
A2308	Galactosylceramidase (GALC)	0.54	0.00	1.36
A2308	Acid $\alpha$ -Glucosidase (GAA)	0.94	0.02	1.86
A2308	$\alpha$ -L-Iduronidase (IDUA)	0.28	0.20	0.37
A2308	$\alpha$ -Galactosidase (GLA)	3.73	1.51	5.94
A2308	$\beta$ -Glucocerebrosidase (ABG)	0.47	0.00	0.98
A2308	Acid Sphingomyelinase (ASM)	0.14	0.00	0.33
A2308	Iduronate-2-Sulfatase (I2S)	Not Certified	NA	NA
B2308	Galactosylceramidase (GALC)	1.12	0.43	1.82
B2308	Acid $\alpha$ -Glucosidase (GAA)	1.49	0.61	2.37
B2308	$\alpha$ -L-Iduronidase (IDUA)	0.77	0.64	0.90
B2308	$\alpha$ -Galactosidase (GLA)	4.92	2.22	7.61
B2308	$\beta$ -Glucocerebrosidase (ABG)	1.07	0.68	1.47
B2308	Acid Sphingomyelinase (ASM)	0.27	0.09	0.46
B2308	Iduronate-2-Sulfatase (I2S)	0.54	0.36	0.71
C2308	Galactosylceramidase (GALC)	5.00	4.13	5.86
C2308	Acid $\alpha$ -Glucosidase (GAA)	6.16	4.77	7.55
C2308	$\alpha$ -L-Iduronidase (IDUA)	5.25	4.16	6.34
C2308	$\alpha$ -Galactosidase (GLA)	11.78	9.51	14.05
C2308	$\beta$ -Glucocerebrosidase (ABG)	4.45	3.52	5.37

C2308	Acid Sphingomyelinase (ASM)	1.43	1.10	1.75
C2308	Iduronate-2-Sulfatase (I2S)	5.14	3.84	6.45
D2308	Galactoceramide (GALC)	9.03	7.64	10.42
D2308	Acid $\alpha$ -Glucosidase (GAA)	8.56	7.44	9.68
D2308	$\alpha$ -L-Iduronidase (IDUA)	9.23	7.58	10.87
D2308	$\alpha$ -Galactosidase (GLA)	18.70	16.21	21.19
D2308	$\beta$ -Glucocerebrosidase (ABG)	8.84	6.80	10.88
D2308	Acid Sphingomyelinase (ASM)	2.84	1.84	3.84
D2308	Iduronate-2-Sulfatase (I2S)	9.62	8.22	11.02