ALPHA-1 ANTITRYPSIN GENETIC TESTING ALGORITHM QUEBEC/MUHC

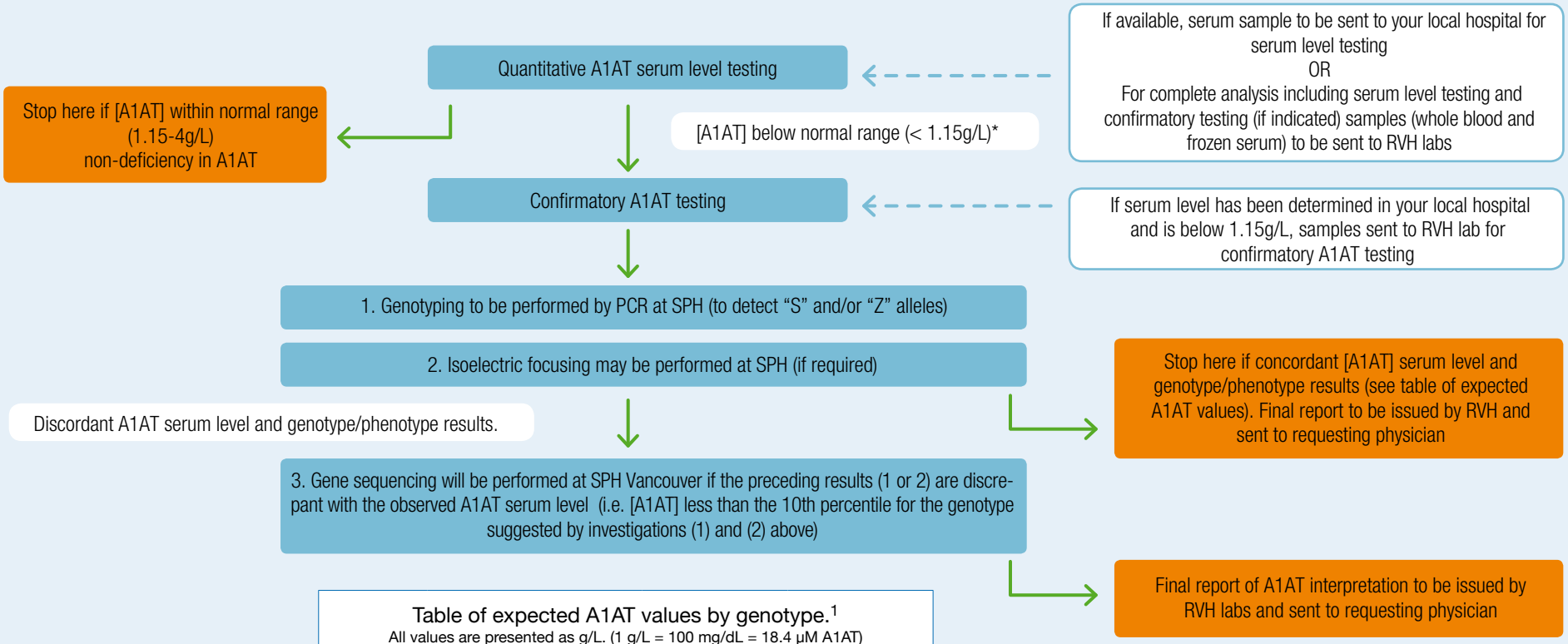

Table of expected A1AT values by genotype.[1]
All values are presented as g/L. (1 g/L = 100 mg/dL = 18.4 µM A1AT)

Genotype	mean	Std Dev	-1.28 SD 10th percentile	+2 SD 97.5th percentile
MM	1.47	0.44	0.91	2.35
MS	1.2	0.37	0.73	1.94
SS	0.88	0.18	0.65	1.24
MZ	0.85	0.2	0.59	1.25
SZ	0.6	0.11	NA	0.82
ZZ	0.28	0.22	N/A	0.72

For the additional information, please contact
Dr Gilfix, Royal Victoria Hospital, Montreal, QC
Email: brian.gilfix@mcgill.ca

* Cut off [A1AT] levels established at SPH Clinical Chemistry laboratory,† Algorithm based on the Snyder MR et *al* Clin. Chem. 2006.

1. Snyder MR, Katzmann JA, Butz ML, et al. Diagnosis of alpha-1-antitrypsin deficiency: An algorithm of quantification, genotyping, and phenotyping. *Clin Chem.* 2006;52(12):2236-2242.

GRIFOLS