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UK NEQAS for Alpha 1 Antitrypsin & Phenotype Identification

Distribution : 191

March 2019

Participant : 91339

43 out of 57 participants returned data for this distribution. 75% response rate.

Nil Responses

INFO2, 10711, 14614, 18005, 90740, 91903C, 93470, ORG_G, ORG, INFO, TVNR, TESTCS, NOKLUS, YVSOLAB

191-1 Sample is taken from a 38 year old male with chronic obstructive pulmonary disease (COPD).

191-2 Sample is taken from a 40 year old female with abnormal liver function tests.

Sample	Designated Response	Your Response	Score	OMIS
191-1	M, MM	MM	0	1
191-2	M, M1M2, MM	MM	0	0
			Total MIS	1

The current window of analysis comprises the previous four distributions

Comments

Sample 191-1:

39 laboratories reported either PI M or PI MM and one laboratory reported PI EM for sample 191-1. 3 laboratories reported an AAT quantitative level but did not report a phenotype and 4 laboratories only reported a phenotype. Laboratories that have reported results that are out of consensus should recheck their gels.


Sample 191-2:

32 laboratories reported sample 191-2 as PI M or PI MM and 5 reported PI M1M2. Three laboratories stated that there was PI M with some sample degradation. 3 laboratories reported an AAT quantitative level but did not report a phenotype and 4 laboratories only reported a phenotype. Laboratories that have reported results that are out of consensus should recheck their gels.

This patient had previously been phenotyped as PI M1M2 and the electrophoretic pattern would be expected to show splitting of the M4 and M6 bands but this phenotype was only reported by five laboratories.

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