



Concerns: Pipecolic acid
To: Requesting physicians
Date: 26-2-2020

Dear colleague,

Due to our collaboration/alliance within Amsterdam UMC, the test for pipecolic acid in plasma will be carried out by the Laboratory Genetic Metabolic Diseases (GMZ) at location AMC from the 2nd of March 2020. This has resulted in minimal changes that we want to inform you about. Furthermore we have decided to stop measuring pipecolic acid in urine, since there is no added value above pipecolic acid in plasma. For alpha-aminoadipic acid semialdehyde (AASA) deficiency the preferred test in urine is AASA.

Method

Test	Material	Method
Pipecolic acid (plasma)	No difference: Heparine or EDTA plasma or Serum	No difference
Pipecolic acid (CSF)	No difference	No difference

Reference values

This has the following consequences for the reference values:

Test	Unit	Current reference values VUmc	New reference values AMC and VUMC*
Pipecolic acid (plasma)	µmol/L	0-7 days: 0.55-10.8 > 8 days: 0.54 – 2.46	All ages: 0.7 – 5.3
Pipecolic acid (CSF)	µmol/L	All ages: 0.009-0.12	0-5 years: 0.002-0.114 >5 years: 0.007-0.049

*See for the most up-to-date reference values the result report.

Difference in results

A comparison of control materials shows that there is no expected change in results for pipecolic acid.

Reporting of the result

The test carried out by the GMZ will be reported by GMZ via a result letter, which together with the other results will be sent via the usual way (by post).

With the transfer of this test you should, despite the good similarities between the old and new method take into account a possible change in the results when following your patient. Nothing will change in the turn-around-time of the test, this remains 1 month. This test will be performed under the ISO15189 accreditation number M154

If you only request the test pipercolic acid in plasma or CSF which is now measured by the GMZ, location AMC, we request that you send the application to:

Laboratory Genetically Metabolic Diseases (F0-132)

Amsterdam UMC, location AMC

Meibergdreef 9

1105 AZ Amsterdam

The Netherlands

If you have questions due to these changes, you can of course contact us.

Sincerely,

Dr. Mirjam M.C. Wamelink
Lab. specialist clinical genetics
Metabolic Unit
Amsterdam UMC, location VUmc
+31 20 4442880
m.wamelink@amsterdamumc.nl

Dr. Fred M. Vaz, clinical chemist
Dr. Susan M.I. Goorden, clinical chemist
Dr. Wim Kulik, lab. specialist clinical genetics
Laboratorium Genetisch Metabole Ziekten
Amsterdam UMC, location AMC
+31 205665393
gmz_metab@amc.nl