



DEKS

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Reporting Period:
29.04.2019 - 13.05.2019

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This report includes:
• This letter
• Summary report
• Individual results

Approved by GMH
15.05.2019

Next round

20.08.2019 – 04.09.2019

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Methylmalonic Acid 3033DK EQA rapport 2/ 2019

Participants

There are 44 laboratories registered for this scheme. Most of the participants are from the Scandinavian countries and 7 laboratories are from other countries. DEKS has received 43 results for this report.

Samples

Sample no. 03_2019 "Hce" is a pool of serum. This pool has been measured 4 times before.

Sample no. 04_2019 "Hag" is a pool of serum. This pool has not been measured before.

Statistic

In the graphical part you will find your own results and deviation (dev.) from the mean (M).

Target value

The target value is calculated as the mean of all.

Acceptance

The acceptance interval is $\pm 21\%$. The acceptance interval is calculated based on biological variation¹.

Results and comments

In this round one outlier were found. Outliers are defined as $>SD*3,6$ from the overall mean.

Kind regards

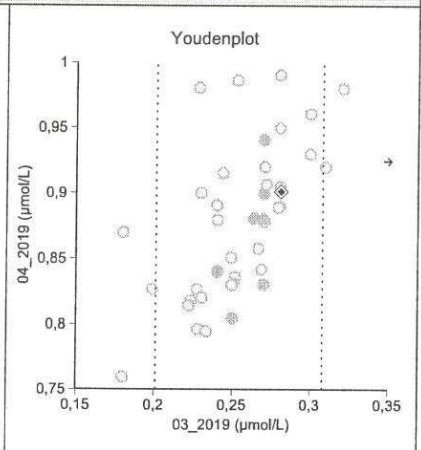
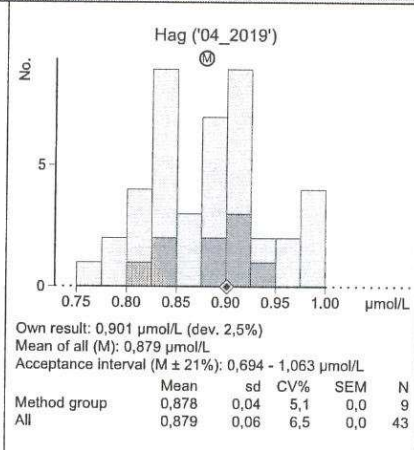
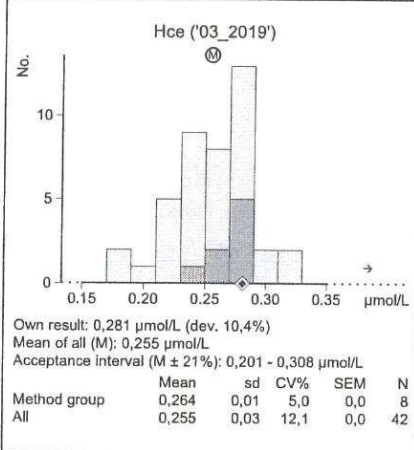
Gitte Henriksen og Sanne Schou

1) Moeller J, Rasmussen K, Christensen L. External quality assessment of methylmalonic acid and total homocysteine. Clin Chem 1999;45:9:1536-152.



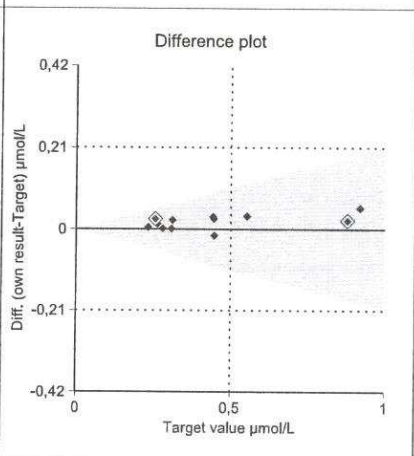
Component	Mean	Sd	CV	sem	N	Outliers
P-Methylmalonat; stofk. Sample 'Hce'						
<i>Alle</i>	0,255	0,0307	12,07	0,00474	42	1
GC-MS	0,264	0,01312	4,97	0,00464	8	1
LC-MS/MS derivatized	0,245	0,01971	8,04	0,00657	9	0
LC-MS/MS underivatized	0,255	0,037	14,51	0,0074	25	0
P-Methylmalonat; stofk. Sample 'Hag'						
<i>Alle</i>	0,879	0,0571	6,5	0,00871	43	0
GC-MS	0,878	0,0448	5,1	0,01494	9	0
LC-MS/MS derivatized	0,879	0,0699	7,95	0,0233	9	0
LC-MS/MS underivatized	0,879	0,0585	6,65	0,01169	25	0

P-Methylmalonat; stofk. - Methodname: Gas Chromatography - Mass Spectrometry (GC-MS)
Methodgroup: GC-MS Calibrator: In-house



History

Round	Material	Target	Own	%dif	-21%	21%
19/02	Hce	0,255	0,281	10,4		
19/02	Hag	0,879	0,901	2,5		
19/01	Jce	0,920	0,975	6,0		
19/01	Gkq	0,278	0,280	0,6		
18/05	Gto	0,310	0,333	7,5		
18/05	Imo	0,553	0,586	6,0		
18/04	Gmo	0,231	0,236	2,1		
18/04	Hje	0,442	0,474	7,2		
18/03	Hje	0,446	0,430	-3,7		
18/03	Gto	0,307	0,308	0,3		
18/02	Hje	0,445	0,472	6,1		
18/02	Hce	0,261	0,275	5,2		



History for Hce

Round	Target	Own	%dif	-21%	21%
19/02	0,255	0,281	10,4		
18/02	0,261	0,275	5,2		
17/05	0,258	0,29	12,2		
17/03	0,262	0,254	-2,9		
17/02	0,254	0,263	3,7		

History for Hag

Round	Target	Own	%dif	-21%	21%
19/02	0,879	0,901	2,5		

Item No.	Description	Quantity	Unit	Rate	Total
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