



DEKS

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Last day of analysis:
21.11.2023

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This report contains:

- This letter
- Summary
- Individual results

Approved by GMH
23.11.2023

Next reporting period:

04.03.2024
03.06.2024
26.08.2024
04.11.2024



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Homocysteine, HCY 3034DK EQA rapport 4/ 2023

Participants

There are 130 laboratories registered for this scheme. Besides Scandinavian countries we have participants from Austria, Belgium, France, Germany, Greece, Iceland, Italy, Israel, Lithuania, Holland, Poland, Portugal, Spain, Great Britain and USA.

DEKS has received 128 results for this report.

Samples

Sample no. 07_2023 "Itnl" is a pool of EDTA plasma. This pool has been sent out once before.

See your prior results under History for "Itnl".

Sample no. 08_2023 "Jjdb" is a pool of EDTA plasma. This pool has been sent out once before.

See your prior results under History for "Jjdb".

Statistic

In the individual results (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 $\pm 17\%$ ¹.

Results and comments

In this round no outlier was found. Outliers are defined as $>SD*3,6$ from the overall mean.

The Atellica instrument continues to find higher concentrations than other instruments on both samples. We are currently investigating the reasons for this.

If you need help interpreting your report follow this link:
<https://deks.dk/en/products/information-about-the-deks-programs/interpretation-of-reports/>

If you have any questions or comments, please contact us.

Kind regards

Gitte Henriksen og Sanne Schou

1) The acceptance interval is calculated based on biological variation from Carmen Ricos TE%. <https://www.westgard.com/biodatabase1.htm>



Component	Mean	Sd	CV	sem	N	Outliers
P-Homocystein; stofk. Sample 'Itln'						
<i>Alle</i>	38,1	5,49	14,41	0,488	127	0
ACL TOP	31,9	2,54	7,95	1,037	6	0
Architect, Alinity	34,1	2,61	7,66	0,419	39	0
Atellica	47,2	2,25	4,77	0,53	18	0
Beckman coulter AU	35,6				1	0
BN	36,9	2,33	6,3	1,343	3	0
Centaur	41,8	4,83	11,55	2,16	5	0
Cobas	39,5	1,619	4,1	0,301	29	0
Dimension Vista	40,9				1	0
Enzymatic	38,4				1	0
HPLC	39,7	4,04	10,16	1,806	5	0
Immolute	42,7	1,804	4,22	1,041	3	0
Indiko Plus	36,5				1	0
LC-MS/MS	36,8	4,46	12,13	1,286	12	0
STA-R Max, Stago	28	6,12	21,9	3,53	3	0
P-Homocystein; stofk. Sample 'Jjdb'						
<i>Alle</i>	9,9	1,82	18,39	0,1609	128	0
ACL TOP	9,78	0,973	9,94	0,397	6	0
Architect, Alinity	8,54	1,022	11,97	0,1637	39	0
Atellica	13,15	1,382	10,51	0,317	19	0
Beckman coulter AU	9				1	0
BN	9,33	0,993	10,64	0,573	3	0
Centaur	10,36	1,046	10,09	0,468	5	0
Cobas	10,19	0,508	4,99	0,0944	29	0
Dimension Vista	9,3				1	0
Enzymatic	10,4				1	0
HPLC	9,44	0,466	4,94	0,209	5	0
Immolute	10,43	0,608	5,83	0,351	3	0
Indiko Plus	10,2				1	0
LC-MS/MS	9,21	1,148	12,48	0,332	12	0
STA-R Max, Stago	7,39	1,897	25,7	1,095	3	0

P-Homocystein; stofk.		Calibrator: Atellica IM HCY CAL - Atellica																																																																																												
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<p>Itnl ('HCY 07_2023')</p> <p>Own result: 46,84 μmol/L (dev. 22,9%) Mean of all (M): 38,1 μmol/L Acceptance interval (M ± 17%): 31,6 - 44,6 μmol/L</p> <table border="1"> <thead> <tr> <th></th> <th>Mean</th> <th>sd</th> <th>CV%</th> <th>SEM</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>Instrument group</td> <td>47,2</td> <td>2,25</td> <td>4,8</td> <td>0,5</td> <td>18</td> </tr> <tr> <td>Calibrator group</td> <td>47,2</td> <td>2,25</td> <td>4,8</td> <td>0,5</td> <td>18</td> </tr> <tr> <td>All</td> <td>38,1</td> <td>5,49</td> <td>14,4</td> <td>0,5</td> <td>127</td> </tr> </tbody> </table>			Mean	sd	CV%	SEM	N	Instrument group	47,2	2,25	4,8	0,5	18	Calibrator group	47,2	2,25	4,8	0,5	18	All	38,1	5,49	14,4	0,5	127	<p>Jjdb ('HCY 08_2023')</p> <p>Own result: 12,97 μmol/L (dev. 31,0%) Mean of all (M): 9,90 μmol/L Acceptance interval (M ± 17%): 8,21 - 11,58 μmol/L</p> <table border="1"> <thead> <tr> <th></th> <th>Mean</th> <th>sd</th> <th>CV%</th> <th>SEM</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>Instrument group</td> <td>13,15</td> <td>1,38</td> <td>10,5</td> <td>0,3</td> <td>19</td> </tr> <tr> <td>Calibrator group</td> <td>13,15</td> <td>1,38</td> <td>10,5</td> <td>0,3</td> <td>19</td> </tr> <tr> <td>All</td> <td>9,90</td> <td>1,82</td> <td>18,4</td> <td>0,2</td> <td>128</td> </tr> </tbody> </table>			Mean	sd	CV%	SEM	N	Instrument group	13,15	1,38	10,5	0,3	19	Calibrator group	13,15	1,38	10,5	0,3	19	All	9,90	1,82	18,4	0,2	128																																											
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