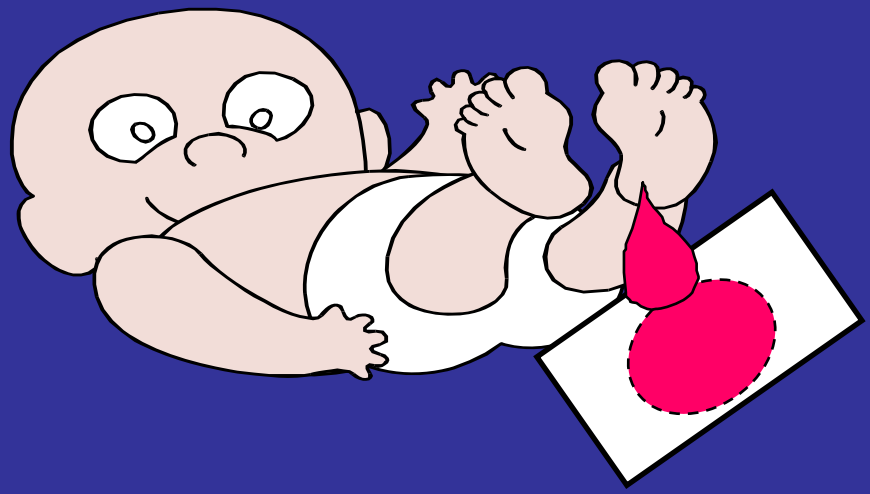
GÜNAYDIN !!

13 EKİM PAZARTESİ-2003
BBBD & METABOLİZMA



DBS örneklerinde ölçümü etkileyen diğer değişkenler

- Kağıdın saklanması ve kullanımı
- Ortamın nemi
- Emdirilen kan hacmi
- Emdirilen kanın hematokrit düzeyi
- Kanın emdirilme süresi

NCCLS Standardı

"Blood collection on Filter Paper for Neonatal Screening Programs, Approved Standard"

LA4-A3, Vol. 17, No. 16

Authors:

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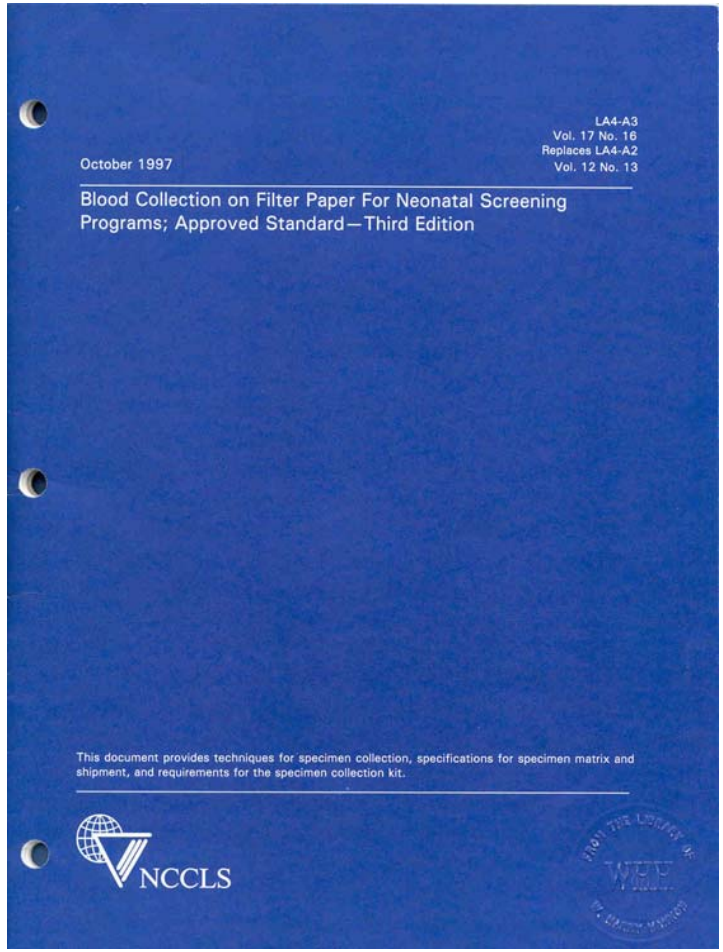


W. Harry Hannon, Ph.D

“yenidoğan taraması sadece bir laboratuvar hizmeti değil; eğitim, takip, net tanı, tedavi,

uzun dönem yönetimi içine alan veri değerlendirilmesinin olduğu bir sistemdir.

KALİTE KONTROL PROGRAMLARI

CDC **(center for disease control)**

DGKC **Deutsche vereinte gessellschaft für kliniche chemie und laboratoriummediin**

TAIWAN **interlaboratory QA program for G6PD**

DLS Content

- Home
- DLS Fact Sheets
- Publications
- Biomonitoring
- Cardiovascular Disease
- Diabetes
- Genetics
- Global Nutrition Programs
- Lead
- National Report on Human Exposure to Environmental Chemicals
- Newborn Screening
- NHANES/Nutrition
- Tobacco / Smoking
- Training and Employment

National Center for Environmental Health

- NCEH Home
- NCEH en Español
- About NCEH
- Programs
- Publications
- NCEH Topics

Division of Laboratory Sciences

2003

Summary Report Inborn Errors of Metabolism (February 2003)

Summary Report Tandem Mass Spectrometry (March 2003)

Midyear QC Report (June 2003)

2002

Summary Report Inborn Errors of Metabolism (April 2002)

Summary Report Tandem Mass Spectrometry (July 2002)

To view this document in PDF version, Adobe Acrobat Reader™ software is required. Download a free copy of the Adobe Acrobat Reader™.

One Page Summary

Newborn Screening Quality Assurance Program

CDC Topics:

- In the News
- Travelers' Health
- Visitor Survey

More NCEH Information:

- Contact NCEH
- Funding

Highlighted Resources:

- CDC Fact Book 2000/2001
- MMWR
- Subscriptions
- Hoaxes and Rumors

CDC tarihçe ve gelişimi

- 1978 - Konjenital Hipotiroidi
- 1984 - PKU, MSUD, Homocystinuria
- 1986 - Galaktozemi
- 1987 - HIV Seroprevalans Survey
- 1988 - Konjenital adrenal hiperplazi
- 1991 - Sickle Cell hastalıklar
- 2001 - Yağ asidi, Organik Asid ve Amino Asid hastalıkları
- 2002 - Kistik fibroz, tip 1 diyabet

AMERİKA

CDC

AARM Amino asid referans materyal

≠

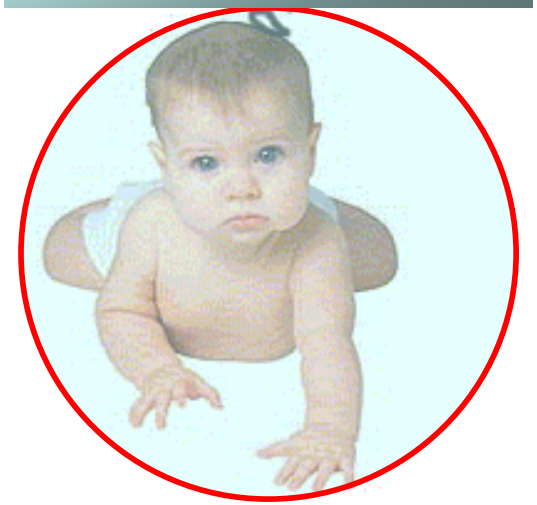
AVRUPA

RIVM

EWS-2003 European working standards

METOT GEÇERLİLİĞİNİN KANITLANMASI SONRASINDA SPLIT SAMPLE YÖNTEM İLE TARAMA KİTLERİNİN PERFORMANS DEĞERLENDİRMESİ

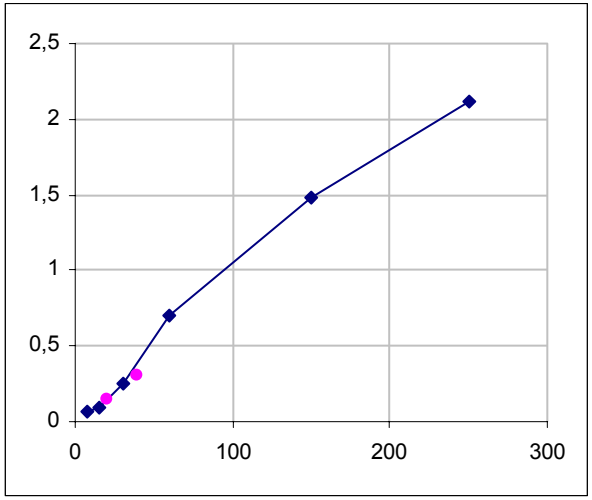
BELÇİKA----TÜRKİYE



1. En az 10 kez kit standardının çalışılması ,
   rate standars (EWS-2003) ve (AARM)

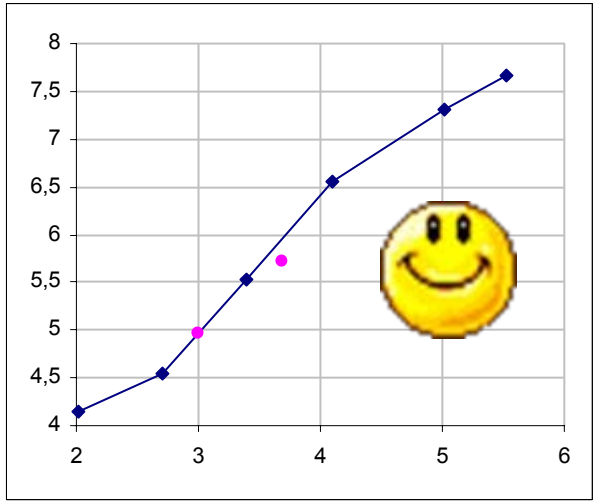
2.1 Linearite
   Bir çalışmada 20 kez kalibratörlerin çalışılması
2.2 Tekrarlanabilirlik
2.3 S&S 2003 boş kart ile deteksiyon limit belirlenmesi
2.4 Kontrol DBS ler ile total precision (tekrarlanabilirlik)
2.5. Bias hesabı (gerçek hastalar, CDC QA materyalleri)

T. Tanyalçın
François Eyskens
Eddy Philips
Marc Lefevere

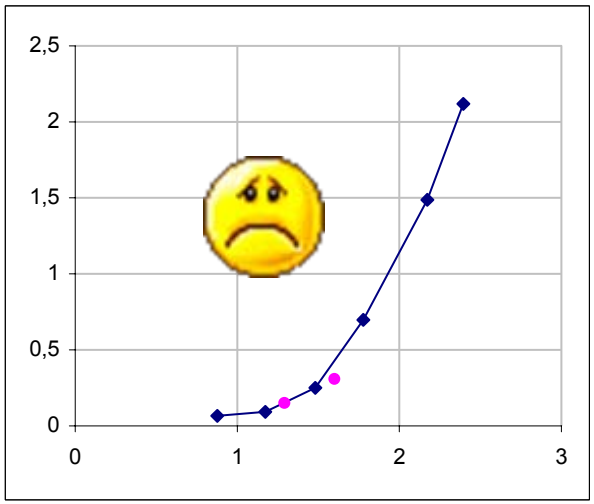


MODE 1 R2=0,9839
Abs= 0,0087(C) + 0,0395

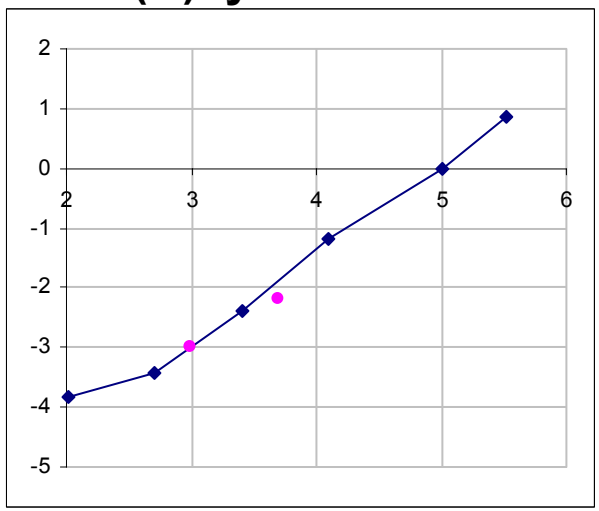
nTSH



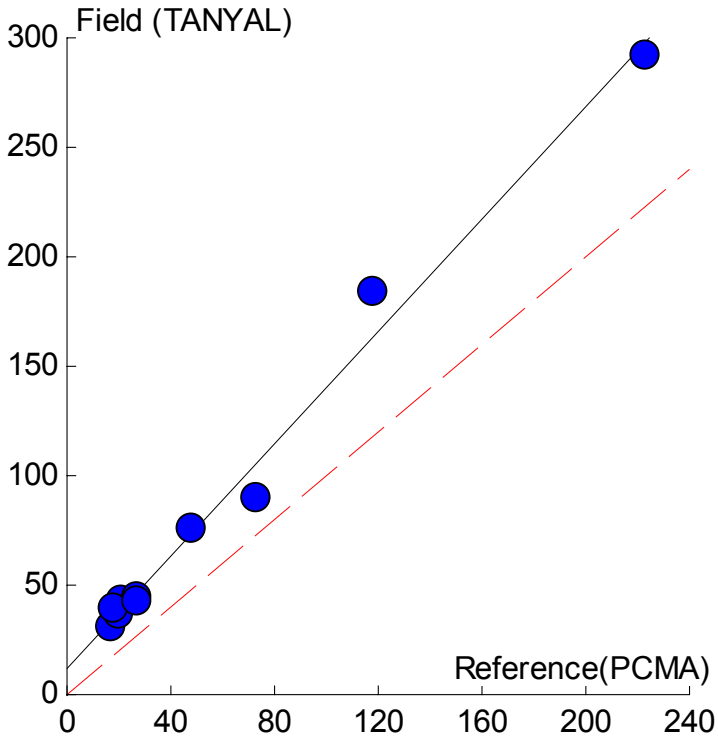
MODE 3 R2=0,984
y=1,0695x+1,897
X=Ln (C) y=Ln 1000 *abs

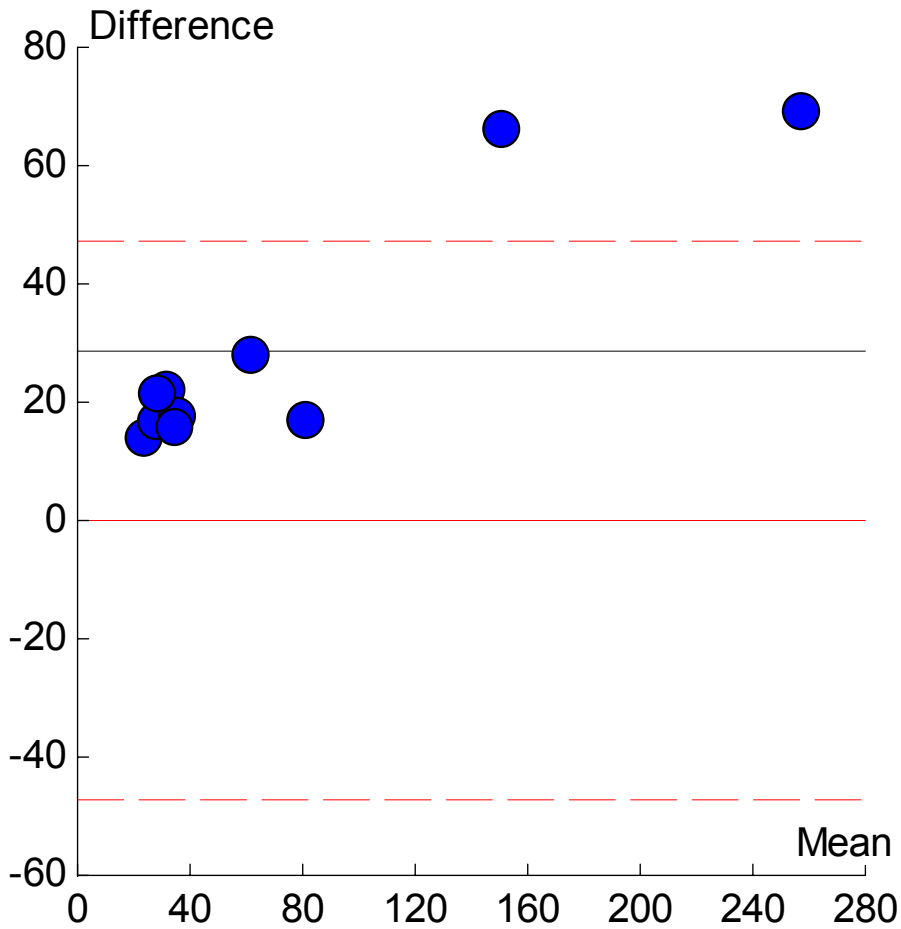


MODE 2 R2=0,8959
Abs=1,36(logC)-1,463



MODE 4 R2=0,988
y=1,3917x -6,9465
X=Ln (C) y=Logit(Abs)


Field (TANYAL)
300
250
200
150
100
50
0
Reference(PCMA)
0
40
80
120
160
200
240


Difference
80
60
40
20
0
-20
-40
-60
Mean
0
40
80
120
160
200
240
280

KARAR

KENDİ KURALLARMIZI BELİRLEYECEĞİZ

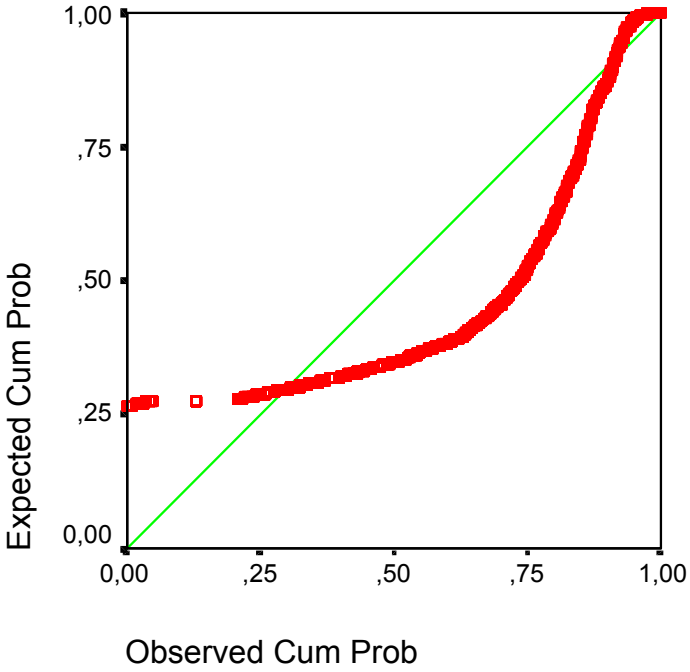
GERÇEKÇİ OLACAĞIZ

KENDİ CUT-OFF DEĞERİMİZİ

KENDİ NORMALLERİMİZİ SAPTAYACAĞIZ

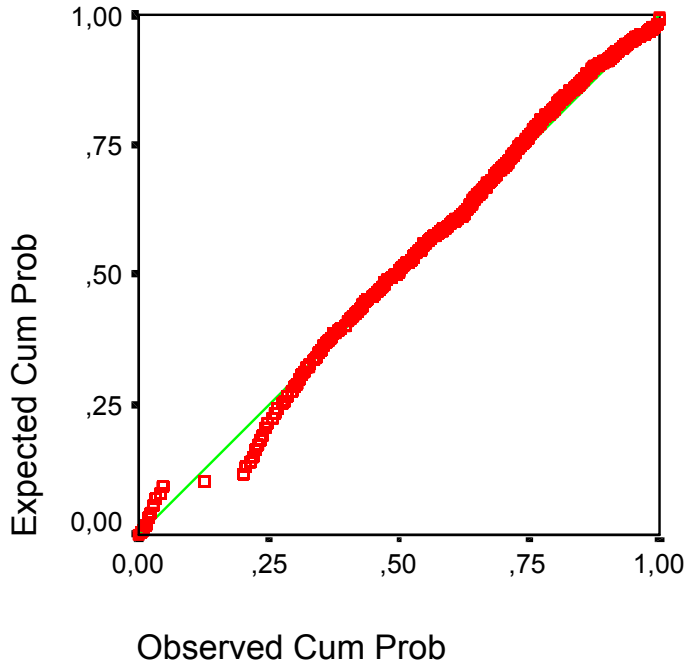
Turkish nTSH

Normal values n=1663



Turkish nTSH

Transformed values n=1663



Transforms: natural log

N = 1663 Centile = 2,50% Conf Lev = 95%

x	Prob	Sum Up	Sum Down
0	0,0000	0,0000	1,0000
1	0,0000	0,0000	1,0000
2	0,0000	0,0000	1,0000
3	0,0000	0,0000	1,0000
4	0,0000	0,0000	1,0000
5	0,0000	0,0000	1,0000
6	0,0000	0,0000	1,0000
7	0,0000	0,0000	1,0000
8	0,0000	0,0000	1,0000
9	0,0000	0,0000	1,0000
10	0,0000	0,0000	1,0000
11	0,0000	0,0000	1,0000

Rank	**42**	**Rank of the centile in the sorted dataset**
xp =	-1,9600	Std Norm coordinate; used in Geigy 530
f(xp) =	0,0584	Height of Std Norm curve; used in Geigy 530
sigma(xp) =	0,0655	Std Err of Percentile; from Geigy 530
z(CL) =	1,9600	Multiplier for Conf Interval from Std Err

Conf Limit	Low	High	
xp:	-2,0884	-1,8316	Conf Interval around xp
Left Tail:	0,0184	0,0335	Conf Interval around Centile
Rank:	**31**	**56**	**Ranks of the CI around the Centile**

N = 1663 Centile = 97,50% Conf Lev = 95%

x	Prob	Sum Up	Sum Down
1663	0,0000	0,0000	1,0000
1662	0,0000	0,0000	1,0000
1661	0,0000	0,0000	1,0000
1660	0,0000	0,0000	1,0000
1659	0,0000	0,0000	1,0000
1658	0,0000	0,0000	1,0000
1657	0,0000	0,0000	1,0000
1656	0,0000	0,0000	1,0000
1655	0,0000	0,0000	1,0000
1654	0,0000	0,0000	1,0000
1653	0,0000	0,0000	1,0000

Rank	**1.621**	**Rank of the centile in the sorted dataset**
xp =	1,9600	Std Norm coordinate; used in Geigy 530
f(xp) =	0,0584	Height of Std Norm curve; used in Geigy 530
sigma(xp) =	0,0655	Std Err of Percentile; from Geigy 530
z(CL) =	1,9600	Multiplier for Conf Interval from Std Err

Conf Limit	Low	High	
xp:	1,8316	2,0884	Conf Interval around xp
Left Tail:	0,9665	0,9816	Conf Interval around Centile
Rank:	**1.607**	**1.632**	**Ranks of the CI around the Centile**

N = 1663 Centile = 97,50% Conf Lev = 95%

x	Prob	Sum Up	Sum Down
1663	0,0000	0,0000	1,0000
1662	0,0000	0,0000	1,0000
1661	0,0000	0,0000	1,0000
1660	0,0000	0,0000	1,0000
1659	0,0000	0,0000	1,0000
1658	0,0000	0,0000	1,0000
1657	0,0000	0,0000	1,0000
1656	0,0000	0,0000	1,0000
1655	0,0000	0,0000	1,0000
1654	0,0000	0,0000	1,0000
1653	0,0000	0,0000	1,0000
1652	0,0000	0,0000	1,0000
1651	0,0000	0,0000	1,0000
1650	0,0000	0,0000	1,0000
1649	0,0000	0,0000	1,0000
1648	0,0000	0,0000	1,0000
1647	0,0000	0,0000	1,0000
1646	0,0000	0,0000	1,0000
1645	0,0000	0,0000	1,0000
1644	0,0000	0,0001	1,0000
1643	0,0001	0,0001	0,9999
1642	0,0002	0,0003	0,9999
1641	0,0003	0,0006	0,9997
1640	0,0005	0,0011	0,9994
1639	0,0009	0,0020	0,9989
1638	0,0016	0,0036	0,9980
1637	0,0025	0,0061	0,9964
1636	0,0039	0,0100	0,9939
1635	0,0058	0,0158	0,9900
1634	0,0084	0,0243	0,9842
1633	0,0118	0,0361	0,9757
1632	0,0159	0,0520	0,9639
1631	0,0208	0,0728	0,9480
1630	0,0264	0,0992	0,9272
1629	0,0324	0,1317	0,9008
1628	0,0387	0,1704	0,8683
1627	0,0449	0,2153	0,8296
1626	0,0506	0,2659	0,7847
1625	0,0555	0,3214	0,7341
1624	0,0593	0,3808	0,6786
1623	0,0618	0,4426	0,6192
1622	0,0627	0,5053	0,5574
1621	0,0621	0,5673	0,4947
1620	0,0600	0,6274	0,4327
1619	0,0567	0,6840	0,3726

Rank	**1.621**	**Rank of the centile in the sorted dataset**
xp =	1,9600	Std Norm coordinate; used in Geigy 530
f(xp) =	0,0584	Height of Std Norm curve; used in Geigy 530
sigma(xp) =	0,0655	Std Err of Percentile; from Geigy 530
z(CL) =	1,9600	Multiplier for Conf Interval from Std Err

Conf Limit	Low	High	
xp:	1,8316	2,0884	Conf Interval around xp
Left Tail:	0,9665	0,9816	Conf Interval around Centile
Rank:	**1.607**	**1.632**	**Ranks of the CI around the Centile**

nTSH

Exact nonparametric

TÜRKİYE

N =1663	Lower limit	2,5 %	Upper limit	
Rank	**31** (0,040)	**42** (0,040)	**56** (0,060)	***Ranks of the CI around the Centile 2,5 %***
N =1663	Lower limit	97,5 %	Upper limit	
Rank:	**1607** (9,56)	**1621** (10,50)	**1632** (11,50)	***Ranks of the CI around the Centile 97,5 %***

TEŞEKKÜRLER