

//  
//  
//

( )

**A<sub>2</sub>**

**HbGold**

\*



*HbA<sub>2</sub>*  
*HbGold*  
*EDTA*  
*RDW-CBC*  
*HbGold*  
*HbGold*  
% / /  
% / /  
% / /  
*HbGold*  
%  
*HbGold* /  
*HbGold* *A<sub>2</sub>* :



(.)

CBC

( ) *HbA<sub>2</sub>*

CLIA 88

International committee for  
standardization in hematology (ICSH)

HbA<sub>2</sub>

(SRID)

HPLC

HbA<sub>2</sub>

HbGold

( )

HbA<sub>2</sub>

EDTA

RDW CBC

HPLC

EDTA

( )

HbGold

National committee for  
clinical laboratory science (NCCLS)

H9-A

HbA<sub>2</sub> < % / % / RDW

HbA<sub>2</sub>

(MCV/RBC ) Mentzer

HbGold

MCV

RBC

HbA<sub>1c</sub>

HbGold

HbA<sub>2</sub>

( )

EDTA

) HbGold

(

Clinical laboratory improvement amendment 88

Intra-assay within-run

:(CV-WR)

EDTA

within-run

CV % / / HbA<sub>2</sub>

% / CLIA

HbA<sub>2</sub>

CV Interassay between-run

EDTA

:(CV-BR)

DE52

EDTA

% / HbA<sub>2</sub> Interassay /

HbA<sub>2</sub>

EDTA

split

HbA<sub>2</sub>

CV

A<sub>2</sub>

% / / HbGold

HbA<sub>2</sub>

(A<sub>2</sub>

OD/

OD)\* /

CLIA

CV

% /

Minitab 14 linear checker EZrule 3 WQC 2

Statgraph 5

**HbGold**

t-student passing-Boblock Deming

EDTA

Peerson correlation

Difference plot

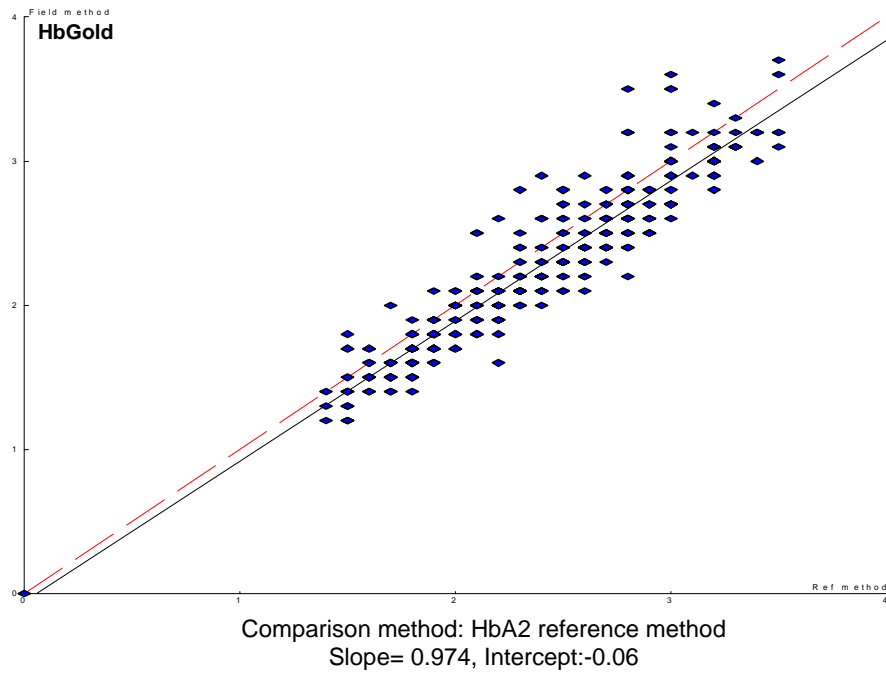
/ / ) /

r= /

(%

:(

)HbGold



HbGold      HbA<sub>2</sub>

SE = % /    PE = % /    CE = % /

(Xc) /

Xc = /

CLIA 88

Y<sub>c3</sub> = / ( / ) / = /

Y<sub>c3</sub> - X<sub>c3</sub> = /

% /      HbA<sub>2</sub>

Y-intercept = /

% /

% /

(SE)

/      MEDx

Bias(%) = ( / ÷ / ) × = % /

slope

: HbGold      HbA<sub>2</sub>

(CE)      (PE)

HbA<sub>2</sub>

(P-P) Probability

PE = ( -slope ) × = ( / ) × = % / = /

/      /

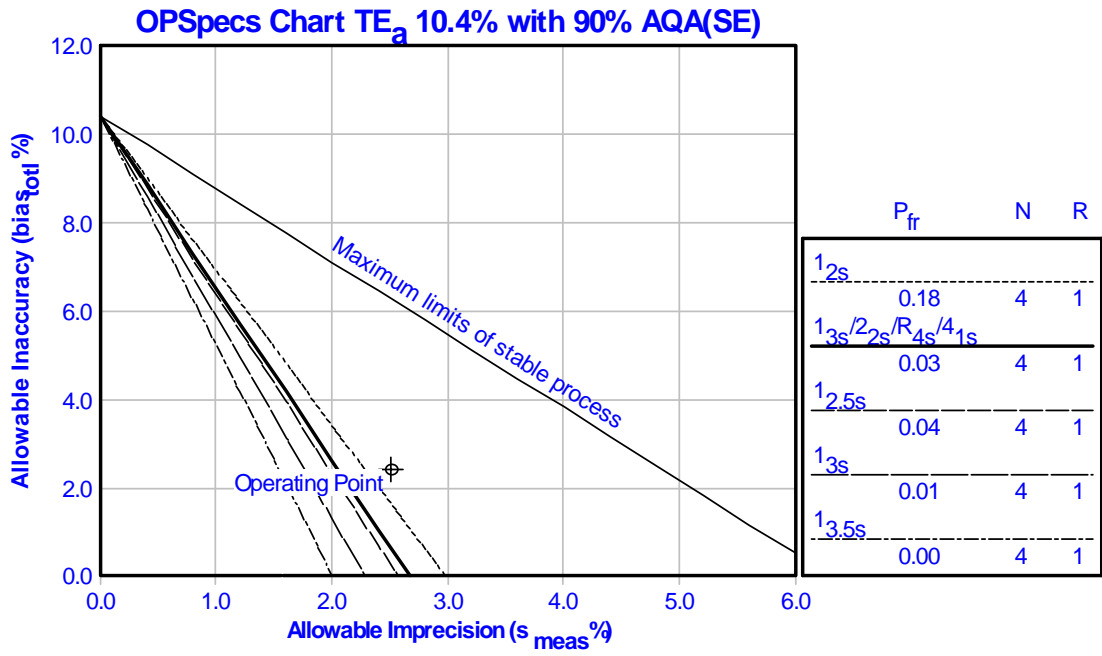
SE = PE + CE

/      /      HbGold

HbA<sub>2</sub>

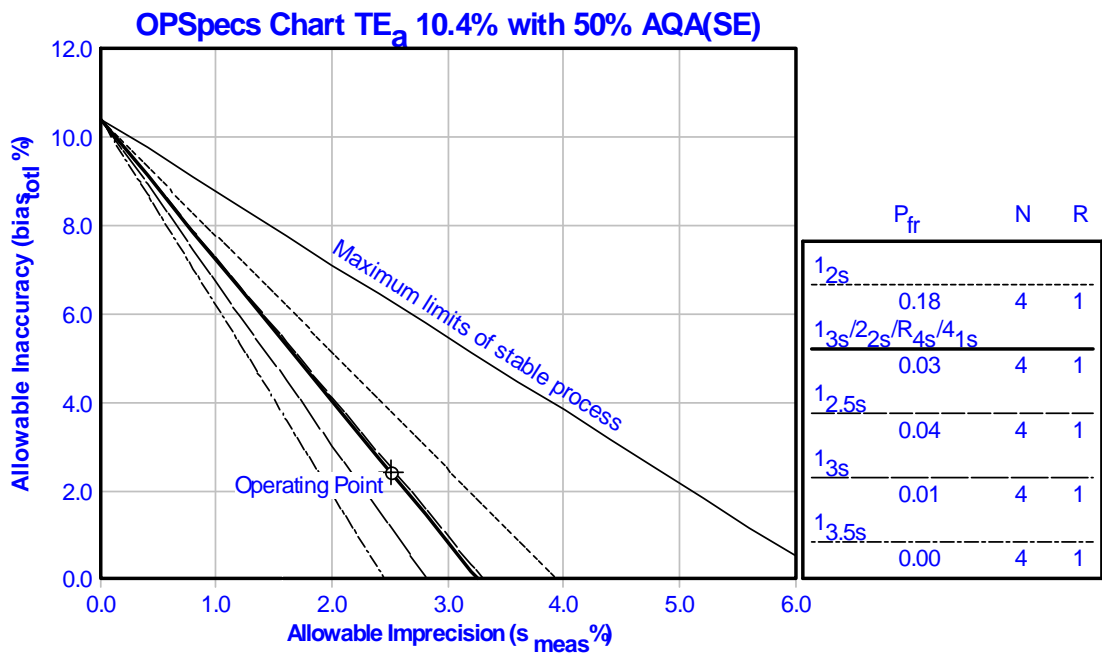
CE = SE - PE = /      /      = /

HbGold



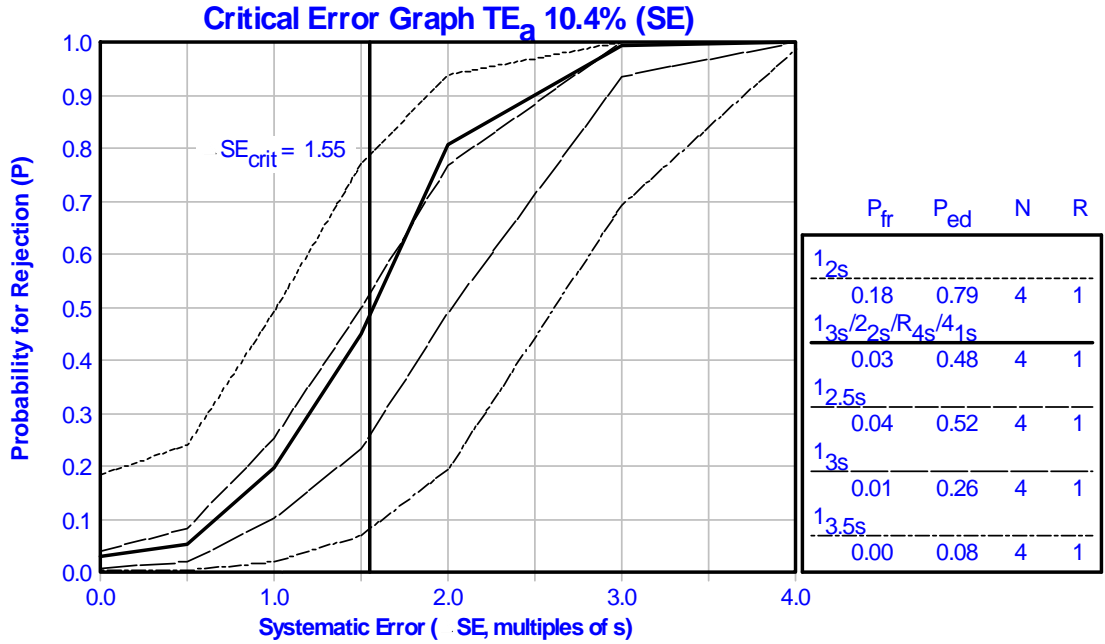
HbGold

N= AQA = % Normalized OPS peccs



HbGold

N= AQA = % Normalized OPS peccs



1<sub>3s</sub>/2<sub>2s</sub>/R<sub>4s</sub>/4<sub>1s</sub>      HbGold

CV-WR  
(CV<sub>a</sub>= / %)

(IFCC)      International Federation of clinical chemistry (TEa)

CV      CV

CV      ( )      Ou

( )      % /

( )      Sangkiptron      ( )

HbGold      CV      HbA<sub>2</sub>

% / /      % / /      % /

% / /      % / /      % /

HbGold

CV      ( ) Keevil

/      CV

( / / )

TE cal = bias + 3CV = SE + RE = % / + % / = % /

TE cal = % / < Tea = % /

retention time

peak tracking

CV

( )

CLIA

( ) Ainley

% / /

/

/

CV

( ) Esser .

CV

/

( ) Miavacca .

) EDTA

Normalized OPSpec

(

/

/

HbGold

CV

Calibrator mixture A<sub>2</sub>

HbGold

( ) HPLC

( )

HbGold

shelf life

N=

HbGold

$1_{3s}/2_{2s}/R_{4s}/4_{1s}$

(r= / P< / )

( )

Normalized OPSpec

(CE)

(PE)

( )

N=  $1_{3s}/2_{2s}/R_{4s}/4_{1s}$

%

/ /

HbGold

Pfr= /

% /

% /

( )

window

(AQA=% ) Analytical Quality Assurance

HbA<sub>2</sub>

.( )

HbA<sub>2</sub>

/

(ΔSE)

/

.( )

pH

%

%

.( ) Brueger ( ) Deacon-Smith

CV

HbGold

.( )

CLIA

A<sub>2</sub>P<sub>ed</sub> P<sub>fr</sub>

.( )

HbGold

HbA<sub>2</sub>HbA<sub>2</sub>

/

/

HbGold

%

/

/

%

/

%

/

.( )

)

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