

//
//
//

()

A₂

HbGold

*



HbA₂

HbGold

EDTA

RDW-CBC

HbGold

HbGold

% /

% / /

% / /

/

HbGold

%

%

HbGold

/

HbGold

A₂

:



(.)

CBC

()

HbA₂

CLIA 88

International committee for
standardization in hematology (ICSH)

HbA₂

(SRID)

HPLC

HbA₂

HbGold

()

HbA₂

" "

EDTA

RDW CBC

HPLC

EDTA

()

HbGold

National committee for
clinical laboratory science (NCCLS)

H9-A

HbA₂ < % / % / RDW

HbA₂

(MCV/RBC) Mentzer

HbGold

MCV

RBC

HbA_{1c}

HbGold

HbA₂

()

EDTA

) HbGold

(

Clinical laboratory improvement amendment 88

Intra-assay within-run

:(CV-WR)

EDTA

within-run

CV % / / HbA₂

% / CLIA

HbA₂

CV Interassay between-run

EDTA

:(CV-BR)

DE52

EDTA

% / HbA₂ Interassay /

HbA₂

EDTA

split

HbA₂

CV

A₂

% / /

HbGold

HbA₂

(A₂

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

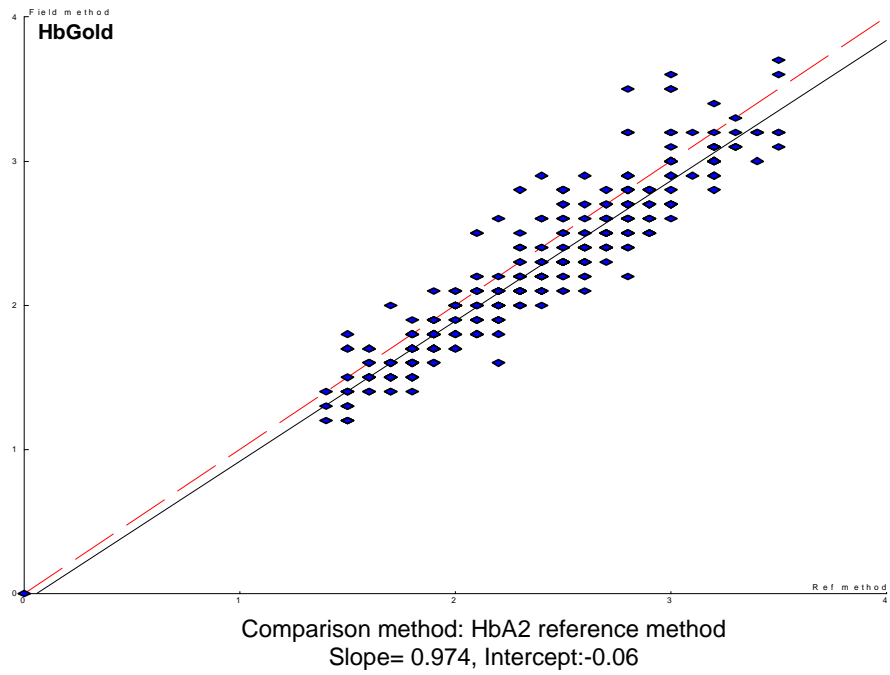
/ /) /

r= /

(%

:(

)HbGold



HbGold HbA₂

SE = % / PE = % / CE = % /

(Xc) /

Xc = /

CLIA 88

Y_{c3} = / (/) / = /

Y_{c3} - X_{c3} = /

% / HbA₂

Y-intercept = /

% /

% /

(SE)

/ MEDx

Bias(%) = (/ ÷ /) × = % /

slope

: HbGold HbA₂

(CE) (PE)

HbA₂

(P-P) Probability

PE = (-slope) × = (/) × = % / = /

/ /

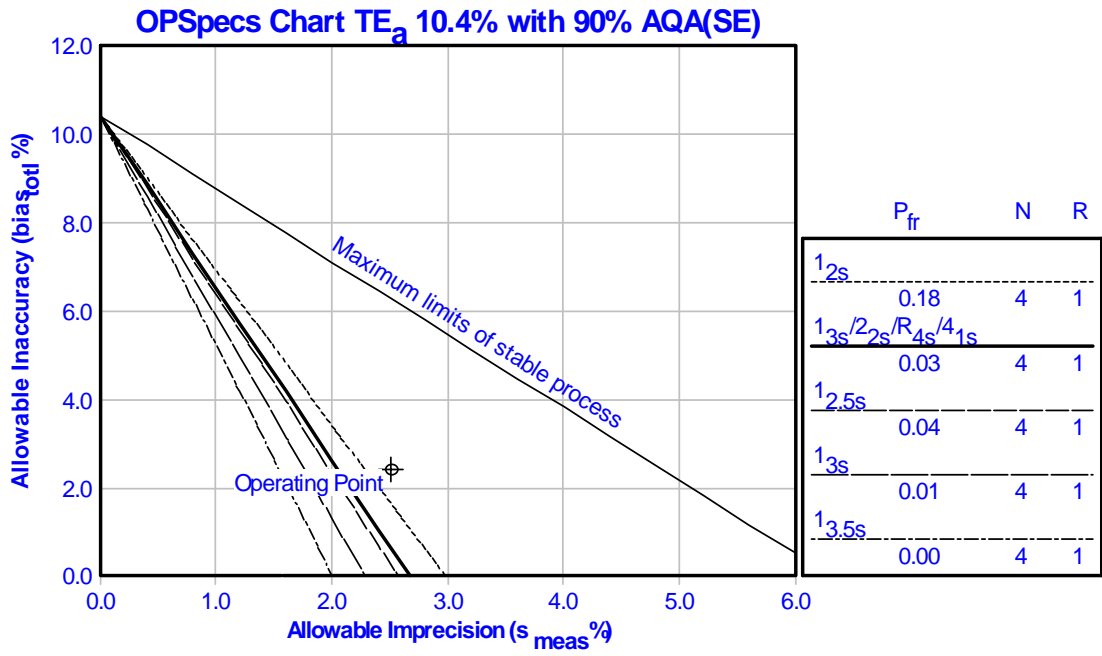
SE = PE + CE

/ / HbGold

HbA₂

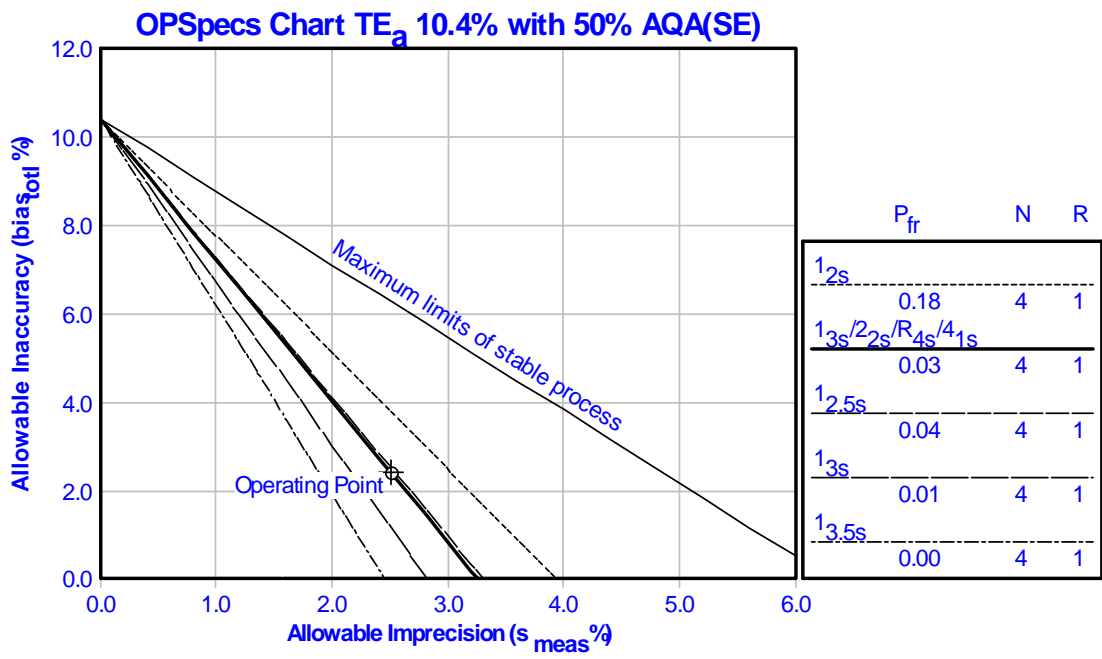
CE = SE - PE = / / = /

HbGold



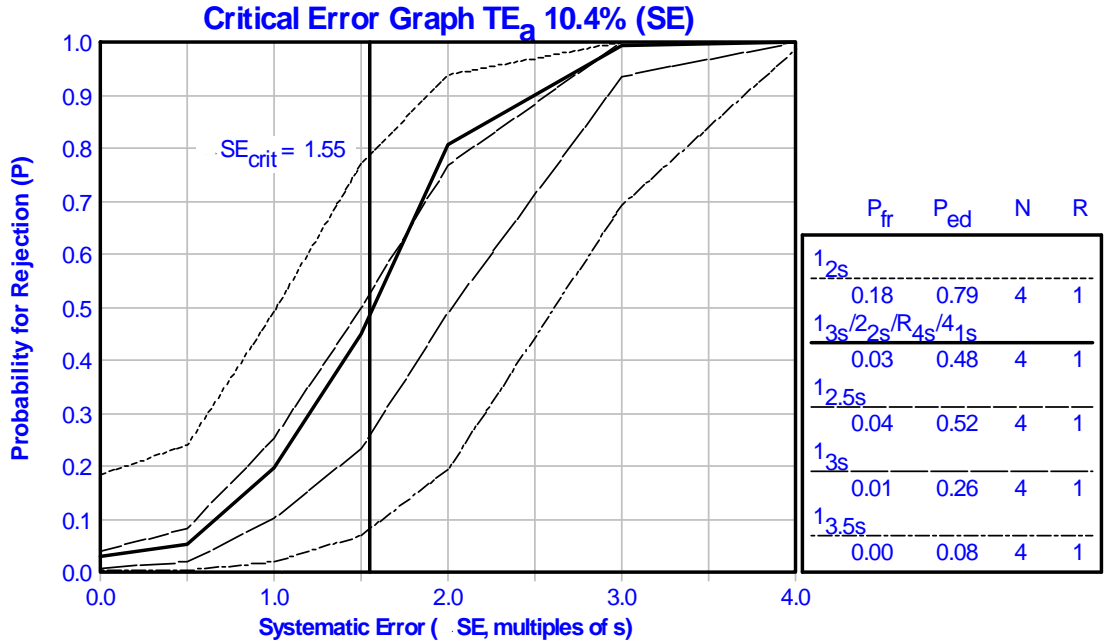
HbGold

N= AQA = % Normalized OPS peccs



HbGold

N= AQA = % Normalized OPS peccs



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

CV-WR
(CV_a= / %)

(IFCC) International Federation of clinical chemistry (TEa)

CV CV

CV () Ou

() % /

() Sangkiptron () HbA₂

HbGold CV HbA₂

% / / % / / % /

% / / % / / % /

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 A₂

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

HbA₂

.()

HbA₂

/

(ΔSE)

/

.()

pH

%

%

() Brueger () Deacon-Smith

CV

HbGold

.()

CLIA

A₂P_{ed} P_{fr}

.()

HbGold

HbA₂HbA₂

/

/

HbGold

%

/

/

%

/

%

/

.()

)

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