



Catch Incorporated

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BAYER ADVIA® 1650 APPLICATION FOR LIQUID STABLE 2-PART HOMOCYSTEINE REAGENT Cat. No. 4-501

This application is intended to serve as a guide for the use of Catch Incorporated's Liquid Stable 2-part homocysteine reagent on the Bayer Advia 1650 clinical chemistry system.

NUMBER OF TESTS

4-501 (R1 1 x 30 mL; R2 1 x 4.7 mL) - 200

* Test number is a theoretical maximum, does not include allowance for dead volume, level sensing or reagent use patterns.

SPECIMEN: Serum, plasma

REAGENT PREPARATION AND STABILITY

The Liquid Stable Reagent is in a ready to use format. The unopened reagent is stable until the expiry date stated on the label at 2-8 °C

LINEARITY

This procedure is linear to 50 µmol/L.

NOTE

Dilute samples with values greater than 50 µmol/L 1:3 with either zero calibrator or 0.85% saline and rerun. Multiply results by 3.

NORMAL RANGE

5 - 15 µmol/L

These values are suggested guidelines. It is recommended each laboratory establish a normal range for the area where it is located.

CHEMISTRY PARAMETERS

Type #	*	M-DET.P.1	0	Dil. Sample Vol 1
R1 volume (µL)	150	M-DET.P.m	60	Dil. Sample Vol 2
R2 volume	15	M-DET.P.n	85	Dil. Sample Vol 3
R1 diluent volume	0	S-DET.P.p	0	Dil. Sample Vol 4
R2 diluent volume	0	S-DET.P.r	0	Dil. Sample Vol 5
Serum reac s vol (µL)	36	Check D.P.I.	0	Diluent Vol 1
Serum dil. s. vol (µL)	20	Cycle	3	Diluent Vol 2
Serum dil. volume (µL)	60	Factor	3.0	Diluent Vol 3
Serum dil. posit	0	Limit value	0.000	Diluent Vol 4
Serum dil. method	Special	Variance	10.0	Diluent Vol 5
Urine reac. s vol		Reaction Type	Dec.	Diluent pos. 1
Urine dil. volume		E2 correction	Not do	Diluent pos. 2
Urine dil. Posit		Blank u	9,9999	Diluent pos. 3
Urine dil. method		Blank d	-9,999	Diluent pos. 4
Reaction Time	10 min	Sample u	9,9999	Diluent pos. 5
Reagent 1 stir	Weak	Sample d	-9,999	STD BLK (H)
Reagent 2 stir	Strong	Re. Absorb (u)	9,9999	STD BLK (L)
Digits	0	Re. Absorb (d)	-9,999	STD 1 (H)
M-wave. L.	340	Prozone form.	None	STD 1 (L)
S-wave, L.	410	Prozone limit	9,999	STD 2 (H)
Analy mthd	RRA	Prozone judge	Upper Limit	STD 2 (L)
Calc. Mthd	STD	M-DET, P.m (prozone)	0	STD 3 (H)
Quality Judge	Not do	M-DET, P.n (prozone)	0	STD 3 (L)
Blank H	9,999999	S-DET,P.p (prozone)	0	STD 4 (H)
Blank L	-9,9999	S-DET,P.r (prozone)	0	STD 4 (IL)
STD H	9,99999	Formula		STD 5 (H)
STD L	-9,9999	Axis convert		STD 5 (L)
Abnml(serum)H(µmol/L)	*	FV1		
Abnml(serum)L(µmol/L)	*	FV2		
FV(µmol/L)	28.0	FV3		



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- FV4
- FV5
- Dilute method 1
- Dilute method 2
- Dilute method 3
- Dilute method 4
- Dilute method 5

Rerun Conditions

Serum reac. s. vol (u)	3.00
Serum dilute. method (u)	None
Serum dil. smp. Vol (u)	0.00
Serum diluent vol (u)	0.00
Serum diluent posi (u)	0
Serum reac. s. vol (d)	3.00
Serum dilut. method (d)	None
Serum dil. smp. Vol (d)	0.00
Serum diluent vol (d)	0.00
Serum diluent posi (d)	0
Variance (*)	A mark exit, No rerun.
Absorbance (U)	A mark exit, No rerun.
Absorbance (D)	A mark exit, No rerun.
Absorbance limit (u)	A mark exit, No rerun.
Absorbance limit (d)	A mark exit, No rerun.
Cell blank (N)	A mark exit, No rerun.
Absorbance v. limit (H)	A mark exit, No rerun.
Absorbance v. limit (L)	A mark exit, No rerun.
Normal v. limit (h)	A mark exit, No rerun.
Normal v. limit (l)	A mark exit, No rerun.
Reagent shortage	A mark exit, No rerun.
Overflow (/)	A mark exit, No rerun.
Safety (S)	No mark, No rerun.
Prozone (P)	A mark exit, No rerun.
Effect nbr.o.pnts (n)	A mark exit, No rerun.
Calibration (C)	A mark exit, No rerun.
Reanalysis (R)	A mark exit, No rerun.

*User Defined

Advia is a registered trademark of Bayer Healthcare LLC.

Catch Authorized Signature: _____ Date: _____