

DRI[®] Barbiturate Assay**Kit Configuration**

P/N W150225	1 x 100 mL Barbiturate A (R1)
	1 x 100 mL Barbiturate E (R2)

Reagent Preparation

P/N W150225: Reagents are ready to use. Pour R1 and R2 in the appropriate bottles and place them in the reagent tray.

In use Stability

On Board: 30 days

Specimen

Urine

Calibration

Use: Negative Calibrator Cat. No.W151664
 MultiDrug Calibrator 1 Cat. No.W151588
 MultiDrug Calibrator 2 Cat. No.W151591
 MultiDrug Calibrator 3 Cat. No.W151594
 MultiDrug Calibrator 4 Cat. No.W151597
 Recalibrate every 14 days or when a new lot of reagent is used.

Quality Control

MGC Primary DAU Control Set Cat. N°.15100200 (2 levels)

Calculation and Analytical Results

The results concentration is automatically calculated by the instrument against the Calibration curve. For detailed description, refer to the Instrument settings and to the ILab 350 Operator Manual.

Semiquantitative results

A rough estimate of drug concentration in the samples can be obtained by running a standard curve with all calibrators and quantifying samples off the standard curve.

References / Literatur / Bibliografia / Bibliographie / Bibliografia /

See package insert inclosed in the kit

Performance Characteristics

The performance below were obtained working with a cutoff of 200 ng/mL

Limitation/Interfering Substances

A positive result by this assay should be confirmed by another nonimmunological method such as GC, TLC or GC/MS.

It is possible that other substances and/or factors (eg, technical or procedural) not listed in the specificity table (see package insert) may interfere with the test and cause false results.

Precision

	Samples/Runs	Mean (ng/mL)	CV(%)	Mean (ng/mL)	CV(%)	Mean (ng/mL)	CV%
Within Run	5/10	134	9.5	188	6.1	299	6.5
Total	5/10	134	9.8	188	6.8	299	6.7

Minimum Detection Limit

24 ng/mL



Instrument Settings

Chemistry Parameters				R1			
Method Name	<input type="text" value="BARB"/>	Reagent Name	<input type="text" value="BARB"/>	Volume	<input type="text" value="100 μL"/>		
Unit	<input type="text" value="ng/mL"/>	Reagent Name	<input type="text" value="BARB"/>	Volume	<input type="text" value="100 μL"/>		
Assay Type	<input type="text" value="Rate"/>	Wash	<input type="text" value="disable"/>	Reagent Name			
		Diluent	<input type="text" value="disable"/>	Reagent Type			
Measuring Points	1 <input type="text" value="disable"/>	start	<input type="text"/>	Decimal Points	<input type="text" value="0"/>		
		end	<input type="text"/>	Normal Range	<input type="text" value="199.9 - 200"/>		
	2 <input type="text" value="enable"/>	start	<input type="text" value="15"/>				
		end	<input type="text" value="18"/>				
Wave Length				Technical Range (Conc)	<input type="text" value="0 - 1000"/>		
Prim	<input type="text" value="340"/>	Sec	<input type="text" value="405"/>	mAbs/10	<input type="text" value="-30000 / 30000"/>		
Sampling Volume	<input type="text" value="5 μL"/>			RPT Wash (R1)	<input type="text" value="Sys Water"/>		
Dilution	<input type="text" value="disable"/>			(R2)	<input type="text" value="Sys Water"/>		
Rerun (High)	<input type="text"/>			Instrument Factor a	<input type="text" value="1"/>	b	<input type="text" value="0"/>
Dilution	<input type="text" value="disable"/>			Stirring Speed	R1 <input type="text" value="mid"/>	R2	<input type="text" value="mid"/>
Rerun (Low)	<input type="text"/>						

Calibration Checks

** Duplicate Limit	<input type="text"/>	** mAbs/10	Sampling Method for Standards	<input type="text"/>	Duplicate
** Sensitivity Limit	<input type="text"/>	** mAbs/10		<input checked="" type="checkbox"/>	Triplicate
** Linearity Limit	<input type="text"/>	** %	Blank measurement	<input checked="" type="checkbox"/>	Disable Reagent blank
** Prozone Limit	<input type="text"/>	upper		<input type="text" value="None"/>	
SL1-S	**	SL1-F **	Reagent blank measurement at calibration	<input type="text"/>	Reagent blank (system water)
SL2-S	**	SL2-F **			
Sens	<input type="text"/>		mAbs/10		
<input checked="" type="checkbox"/> Absorbance Limit		** Multiplex measurement is the same as standards			
Reaction Limit	<input type="text" value="Increase"/>		Reagent Blank Limit Checks	** Duplicate limit	<input type="text" value="50"/> mAbs/10
Limit	<input type="text" value="25000"/>	mAbs/10			

Calibration

Method	<input type="text"/>	Name	<input type="text" value="BARB"/>	Interval	<input type="text" value="14"/> days
Calculation	<input type="text" value="Point to Point"/>				
	Conc	WORK	MASTER	Lot No	
S1	<input type="text" value="0"/>				K <input type="text" value="N/A"/>
S2	<input type="text" value="100"/>				
S3	<input type="text" value="200"/>				
S4	<input type="text" value="500"/>				
S5	<input type="text" value="1000"/>				
S6					

Reagent Registration

Reagent Code	<input type="text" value="0147"/>													
Reagent Name	<input type="text" value="BARB"/>													
R1	<input checked="" type="checkbox"/>	enable	Volume (L)	<input type="text" value="**"/>	mL	Volume (S)	<input type="text" value="**"/>	mL	Stability Check	<input checked="" type="checkbox"/>	enable	Term	<input type="text" value="30"/>	days
R2	<input checked="" type="checkbox"/>	enable	Volume (L)	<input type="text" value="**"/>	mL	Volume (S)	<input type="text" value="**"/>	mL	Stability Check	<input checked="" type="checkbox"/>	enable	Term	<input type="text" value="30"/>	days
**	Operator definable		N/A	not applicable to this test										