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EMIT[®] 2000 Phenytoin

Shading indicates technical content that differs from the previous version.

Emit[®] 2000 Phenytoin Application Sheet

For the AU480[®] and AU5800[®] Clinical Chemistry Systems

Refer to the appropriate Instructions for Use for information regarding these reagents. Also refer to the instrument manual for additional instructions.

Results of this test should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

The parameters defined in this application sheet have been developed by Siemens Healthineers to optimize product performance. Any modification to these parameters may affect performance of this and other assays in use on your system and the resulting assay values. It is the responsibility of the user to validate any modifications and their impact on all assay results.

Reagents

These reagents are qualified for use with the Calibrator(s) listed below only.

Assay	Catalog Number
Emit® 2000 Phenytoin Assay	4A019UL
Emit® 2000 Phenytoin Assay	OSR4A229
Calibrators	Catalog Number
Emit [®] 2000 Phenytoin Calibrators	4A109UL

Storage

Reagents which are in use may be stored on board the analyzer for up to 9 weeks or as long as the control results fall within acceptable limits.

Instrument

Calibration

Prepare a calibration curve whenever a new lot of reagent is used or as indicated by control results. Calibrate by placing the appropriate calibrators in the assigned positions in the calibration rack (yellow rack). Run a reagent blank (blue rack) with each calibration curve.

Instrument Settings

See page 2.

Results

Results are reported in µg/mL [µmol/L].



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Instrument Settings

Reagent ID: 50)6
General LIH ISE HbA1c Calculated Tests Range	
Test Name User Defined <	
Sample Volume 1.6 uL Dilution 0 uL OD Limit Pre-Dilution Rate Min OD -2.0000 Max OD 2.5000	
Reagent Volume R1(R1-1) 72 uL Dilution 0 uL Reagent OD limit First Low -2.0000 High 2.5000	
R2(R2-2) 52 uL Dilution * uL	
Dynamic Range Low 0.5 High 40.0	
Common Reagent Type Name Correlation Factor A 1.000000 B 0.000000	
Wave Length Pri. 340 nm Sec. 410 nm Factor for Maker A B	
Method HATE Reaction Slope + Measuring Point-1 First 19 Last Linearity Limit 100 Lag Time Check No	r

* First enter 0. If problems are encountered with poor precision, enter 10. If problems persist, contact technical assistance.

Range Screen

General LIH ISE	Hb	A1c	Calculated Tests	Range
Test Name User Defined < > Typ	Serum			
Value/Flag Value Level			Panic Value	
	Low	High	Low	High
Specific Ranges	-999999	999999.9	User Defined	User Defined
From To				
Sex Year Month Year Month	Low	High	_	
]	
		i ———]	
		i ———	j	
]	
7 No Demographics]	
8 Not within expected values]	
Unit µg/mL Decimal Places 1				

General Screen

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Calibrators Calibration Specific STAT Table Calibration General ISE						
Test Name	e User Define	d	< >	Тур	e Serum	Use Serum Cal
Calibration	n Type 5A	В	Formula	EIA Type	1 Counts	s <u>1</u>
<calibration< td=""><td>on Parameters></td><td></td><td></td><td></td><td>222</td><td>Slope Check +</td></calibration<>	on Parameters>				222	Slope Check +
	Colibrator		Cono	UD Ra	Liab	
Point 1			2.5	-2 000000	2 500000	1
Point 2	User Defined		5.0	-2.000000	2.500000	Allowable Pange Check
Point-2 Point-3	User Defined		10.0	-2.000000	2.500000	
Point-4	User Defined		20.0	-2.000000	2.500000	
Point-5	User Defined		40.0	-2.000000	2.500000	
Point-6						Advanced Calibration
Point-7						Operation Yes
Point-8						
Point-9						Interval (RB/ACAL) Lot/Lot
Point-10						Lot Calibration
<point cal.="" curve="" for="" master=""> No. of Correction Points Use Master Curve</point>						
	Calibrator		Conc		High	Stability User Defined
Point-1	Calibrator	00	CONC	LOW	riigii	Reagent Blank Day Hour
Point-2						Calibration Day Hour
MB Type Factor 1-Point Calibration Point None with Conc-0						

Calibration Specific Screen

Performance

Method Comparison

Clinical specimens were tested using the Emit® 2000 Phenytoin Assay on the AU600® analyzer and on the Roche/Hitachi 704 analyzer. The results from the AU600® are as follows:

Slope	1.06
Intercept (µg/mL)	-0.52
Correlation Coefficient	0.973
Number of Samples	55

Precision

Within run precision was determined by assaying 20 replicates of each level of a tri-level control. Precision observed during the testing is outlined below.

Total precision was calculated according to NCCLS guideline EP5-T2 using data collected from controls run in duplicate twice daily over twenty days for 80 replicates. Precision observed during the testing is outlined below.

	Withi	n Run Pree	cision	Total Precision			
	Level 1	Level 2	Level 3	Level 1	Level 2	Level 3	
Mean (µg/mL)	4.2	12.9	22.5	4.0	11.7	23.1	
% CV	3.8	3.1	3.3	6.0	5.9	8.2	

NOTE: Performance on the AU480®, AU5800® and AU600® series analyzers has been shown to be equivalent.

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Definition of Symbols

The following symbols may appear on the product labeling:

Symbol	Symbol Title	Source	Symbol	Symbol Title	Source
	Manufacturer	5.1.1ª	EC REP	Authorized representative in the European Community	5.1.2ª
\Box	Use-by date	5.1.4ª	CH REP	Authorized representative in Switzerland	Proprietary
REF	Catalog number	5.1.6ª	LOT	Batch code	5.1.5ª
ĺ	Consult Instructions for Use	5.4.3ª	Σ	Contains sufficient for <n> tests</n>	5.5.5°
[]i]	Internet URL address to access the electronic instructions for use	Proprietary	Rev. XX	Version of Instructions for Use	Proprietary
IVD	In vitro diagnostic medical device	5.5.1ª	Rev. REVISION	Revision	Proprietary
RxOnly	Prescription device (US only)	FDA¢	UDI	Unique Device Identifier	5.7.10 ^b
CE xxxx	CE Marking with Notified Body	EU IVDR ^d	CE	CE Marking	EU IVDR⁴
1	Temperature limit	5.3.7ª	×	Keep away from sunlight	5.3.2ª
X	Upper limit of temperature	5.3.6ª	X	Lower limit of temperature	5.3.5ª
(Do not re-use	5.4.2ª		Do not freeze	Proprietary

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Symbol	Symbol Title	Source	Symbol	Symbol Title	Source
	Recycle	1135°	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	This way up	0623°
3	Biological risks	5.4.1ª	\triangle	Caution	5.4.4ª
UNITS C	Common Units	Proprietary	UNITS SI	International System of Units	Proprietary
	Document face up ^r	1952°	YYYY-MM-DD	Date format (year-month-day)	N/A
NON	Non-sterile	Proprietary	ҮҮҮҮ-ММ	Date format (year-month)	N/A
	Reconstitution volume	Proprietary	CONTENTS	Contents	Proprietary
FORENSIC TOXICOLOGY	For forensic/toxicology use only	Proprietary	LEVEL	Level	Proprietary
DROPPER	Dropper	Proprietary	CASSETTE	Cassette	Proprietary
	Not for self-testing	EU IVDR ^d		Not for near-patient testing	EU IVDR ^d

^a International Standard Organization (ISO). ISO 15223-1 Medical Devices- Symbols to be used with medical device labels, labelling and information to be supplied.

^b ISO 15223-1:2020-04.

^o Federal Register. Vol. 81, No 115. Wednesday, June 15, 2016. Rules and Regulations: 38911.

^d IVDR REGULATION (EU) 2017/746

^e International Standard Organization (ISO). ISO 7000 Graphical symbols for use on equipment.

f Indicates Assay-eNote.

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Healthineers :

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AU®, AU480®, AU600®, and AU5800® are registered trademarks of Beckman Coulter, Inc.

For technical assistance: Beckman Coulter customers, contact the Customer Technical Support Center at 1-800-854-3633 (USA & Canada)

In other countries, please contact your local Beckman Coulter representative.

Siemens Healthineers customers, contact the Technical Solutions Center at 1-800-227-8994 in the USA.

Technical Assistance

According to EU regulation 2017/746, any serious incident that has occurred in relation to the device shall be reported to the manufacturer and the competent authority of the EU Member State in which the user and/or patient is established. siemens-healthineers.com

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