

Michigan Medicine Department of Nursing
PROCEDURE/SKILLS Competency Evaluation: Accu-Chek® Inform II Glucose Meter

VALIDATOR EVALUATION: 1= Independent W/O Errors 2= Independent w/ Minor Errors 3= Verbal Prompts w/ Errors
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Name: _____ UMID: _____ Department: _____

Competency: *Staff will properly use the Accucheck Inform® to obtain Point-of Care Glucose measurement*

Skill/Steps	Rationale	Validator		
		1	2	3
Performs high and low quality control tests 1. Checks expirations dates of supplies, discarding outdated. 2. Performs QC each day or when meter error is suspected. 3. Turns meter on and scans own OPERATOR ID barcode (i.e. UMID#). 4. Selects CONTROL TEST then Level 1 or 2 5. Scans & verifies lot number of Control Solutions 6. Scans test strip vial code & verifies match on screen. 7. Removes strip, recaps vial immediately, inserts strip when indicated on display 8. Gently mix and apply 1 drop control solution to strip's yellow dosing area when indicated 9. Notes result, runs next control level a. FAIL: enters appropriate comment(s), correct potential causes, repeats control test b. Continued "out of range", reports to Charge Nurse, removes from service, exchanges meter at Specimen Processing UH 2F471 or Contact Off-Site Point of Care	Annual re-certification may be done and recorded electronically through glucose meter. 1. Upon opening, control solutions are relabeled with current day, month, day, and year & 3-month expiration date (Exp:2/8/2024). Use until printed expiration date or manufacture date, whichever occurs soonest. Strips expire on manufacturer's date, if tightly closed in original vial Single use auto-lancets device expires on manufacture's date. 2. QC prior to testing patient samples to ensure accuracy. DO NOT SHAKE CONTROL SOLUTIONS 3, 5, 6. Manual entry of data increases risk of error			
		Comments:		

Skill/Steps	Rationale	Validator		
<p>Accurately measures and records capillary blood glucose reading following Infection Control guidelines</p> <ol style="list-style-type: none"> Prior to each use, Cleans and Disinfects meter, using the two-step process, with proper wipes (Oxivir or Bleach). Checks expirations dates of supplies, discarding outdated. Identifies patient with 2 identifiers. Instructs patient re: procedure and to wash hands, if able DOES NOT perform finger stick on patients with low perfusion/BP or patient's considered in '<i>Critically ill</i>' state. Turns meter on and scans own OPERATOR ID barcode (i.e. UMID #) Ensures wireless connection is accessed, if available Selects PATIENT TEST Scans patient's bar coded CSN on the wristband at bedside & verifies that PATIENT ID# on screen matches wristband's CSN Scans then verifies that test strip code on vial and meter match Removes strip, recaps vial immediately, inserts strip into meter when displayed on screen When indicated, obtains pure blood capillary, venous, or arterial sample: <ol style="list-style-type: none"> Allows alcohol to dry, if used for prep Gently squeezes, pricks side of fingertip or heel with lancet at shortest level. Wipes away first drop of blood with dry gauze, use second drop for test. Touches blood ONLY to strip's yellow dosing area. Notes results and enters comments, if applicable. Presses check icon to transmit results. Notifies physician/nurse of results appropriately (See values/actions below) After each use, washes hands, and uses two-step process to clean and disinfect the meter. 1. Cleans the meter using Oxivir or Bleach wipe(s) to remove visible soil. 2. Using New Oxivir or Bleach wipes, disinfects the meter. Allows to dry then places meter in wired or wireless base to recharge. and/or transmit data, responding appropriately to connection problems. Documents results in patient medical record. 	<p><i>This may be completed with a test reagent or patient sample. Current Accu-chek Inform users may describe steps.</i></p> <ol style="list-style-type: none"> Strips expire on manufacturer's date if tightly closed in original vial. Patients in "<i>Critically ill state</i>" (Hemodynamic condition with presence of A-line in the ICU, ED, PACU or patient heading to the ICU from an ED or PACU for any reason) <u>is only performed by RN's</u>: 6, 9,10-Manual entry of data increases risk of entry error. Areas that do not use ID bands should carefully enter the CSN manually. Prevents contamination. Prevents error readings. <p>Note-CORD Blood is not acceptable.</p> <ol style="list-style-type: none"> Excess squeezing alters chemical components in blood-may interfere with results. Second drop avoids dilution/contamination of specimen. <ol style="list-style-type: none"> Spraying, immersing, or cleaning with dripping cloth can damage meter. Periodically clean base to prevent contamination. Note: Only use the 1:10 Bleach wipes for C diff pts. Wired base charges the battery, re-establishes wireless connection, transmits, and receives data. Submits HITS ticket or calls 6-8000 for base/dataport connectivity issues 	1	2	3
<p>Comments:</p>				

Skills/Steps	Rationale	Validator											
Takes appropriate action for normal, critical, and out-of range values	Normal Values	Validator											
<ol style="list-style-type: none"> 1. States range of “normal” readings. 2. Retest initial Critical Value, unexpected Out-of-range or results that do not match patient’s clinical symptoms. Comment ‘will Rpt, do not upload’ 3. Retest result, add action comment. 4. Stays with Patient while notifying STAT- nurse/physician of critical or unusual results. 5. Intervenes as ordered. 6. Retests in 15 minutes after treatment to determine effectiveness 7. If ordered, confirm results with backup testing such as Laboratory Blood draw or ABG 8. Documents hyper or hypoglycemic episode, interventions, and that resolution occurred withing 30 minutes. 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Age</th> <th style="text-align: left;">Range</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td>0 - 1 year</td> <td>60 - 150</td> <td>mg/dL</td> </tr> <tr> <td>1 - 150 years</td> <td>70 - 180</td> <td>mg/dL</td> </tr> </tbody> </table>	Age	Range	Units	0 - 1 year	60 - 150	mg/dL	1 - 150 years	70 - 180	mg/dL	1	2	3
	Age	Range	Units										
	0 - 1 year	60 - 150	mg/dL										
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<p style="text-align: center;">Critical Values</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Age</th> <th style="text-align: left;">Range</th> </tr> </thead> <tbody> <tr> <td>0 - 48 hours</td> <td><40mg/dL or >200 mg/dL</td> </tr> <tr> <td>2 days - 1 year</td> <td><50 mg/dL or <200 mg/dL</td> </tr> <tr> <td>1 - 150 years</td> <td><50 mg/dL or >450 mg/dL</td> </tr> </tbody> </table> <p>Retest/notify if =/< 70 or >150, or per call parameters</p>	Age	Range	0 - 48 hours	<40mg/dL or >200 mg/dL	2 days - 1 year	<50 mg/dL or <200 mg/dL	1 - 150 years	<50 mg/dL or >450 mg/dL	Comments:				
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This employee has satisfactorily completed the above competency

Employee	Signature	Initials	Date
Validator	Signature	Initials	Date

This competency has not been achieved. Action Plan and expected date of completion as follows:

Validator	Signature	Initials	Date
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Resources:

[Point of Care Testing Glucometer Accu-Chek Inform II Policy](#)

[Point of Care Contacts & Location](#)

[Lab Handbook- Onsite POC](#)

[UMH Unit/Clinic Based Glucometer Cleaning & Disinfection Procedure](#)