

**TO:** BayCare Laboratories  
**FROM:** Maura Pieretti, PhD  
**RE:** CMV PCR HOLD for Newborn Hearing Screening  
**Date:** 12/22/2022

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To comply with a new Florida State Law, and to improve detection of congenital CMV, the following changes are implemented.

**Effective January 3<sup>rd</sup>, 2023, all newborns who fail the 1<sup>st</sup> Hearing Screening Test will have a Urine sample collected and a CMV PCR HOLD test ordered.**

Sample: 1 ml Urine, sterile container – storage/ transport = refrigerated

This order routes to BC ESO Cent Proc /BC ESO EXTRA TUBE; once it is received in Lab at ESO the test is Completed. Estimated number of samples ~ 5/6 per day.

The screenshot displays a laboratory information system interface. At the top, there is a 'Container List' section with an 'Accession number' of 22-356-00622 and a 'Retrieve' button. Below this is a table with columns: Comment, Container, Orders, Orders Not Collected, and Lab Handling. The table contains one row: 'A 50 mL UrineCup' under Container, and 'CMV PCR HOLD (RT)' under Orders. Below the table is an 'Event List' section with columns: Event, Date/Time, and User. The events are: 'Collected' at 12/22/2022 9:37 by user (0), and 'Received' at 12/22/2022 9:37 by user B141503. An 'Order Routing' window is overlaid on the interface, showing 'Routing' for 'Accession: 22-356-00622' and 'Container: A'. The routing table has columns: Order, Service Resource, and In-Lab Location. The row shows: 'CMV PCR HOLD' under Order, 'BC ESO EXTRA TUBE' under Service Resource, and 'BC ESO Cent Proc' under In-Lab Location.

**If the Newborn fails the 2<sup>nd</sup> Hearing Screening Test, the provider orders a CMV PCR Qual (existing order)** [estimated number of orders ~1 / day].

A label prints on the BC ESO receiving. The TM retrieves the urine sample from the HOLD rack, places the label on the container and places this in the CMV Viral Load rack.

Molecular Lab TMs run the CMV PCR test 2/3 times per week. Abnormal results are called by the Patient Communication Center to the primary physician. Test results (CMV PCR on urine <1 week old) are transmitted electronically to the State of Florida.

The CMV PCR HOLD and the CMV PCR Qual (Urine) orders have been added to various Power plans - see page 2.

Clinical education will be sent to nursing and newborn providers the week of December 26<sup>th</sup>, 2022.

## CMV orders for failed hearing screen

### Admission Newborn (SJM and SFB only)

Category	Order	Description
Medical	<input checked="" type="checkbox"/>	Physician to Nurse Diagnostic Tests
Hearing Screening	<input checked="" type="checkbox"/>	SFB choose Otoacoustic Emission (OAE)
	<input checked="" type="checkbox"/>	Otoacoustic Emission
	<input checked="" type="checkbox"/>	SJM choose Brain Evoked Poten/Aud Screen (ABR)
	<input checked="" type="checkbox"/>	Brain Evoked Poten/Aud Screen
	<input checked="" type="checkbox"/>	Notify Physician Newborn
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR HOLD
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR Qualitative GL
	<input checked="" type="checkbox"/>	Physician to Nurse Procedure
Diet	<input checked="" type="checkbox"/>	

### Newborn Care (MCS SJS MPH SJW WHH WHW)

Category	Order	Description
Medical	<input checked="" type="checkbox"/>	Consult to Physician
Hearing Screening	<input checked="" type="checkbox"/>	SJM/SJS/MPH/MC/WHW choose Brain Evoked Poten/Aud Screen (ABR)
	<input checked="" type="checkbox"/>	Brain Evoked Poten/Aud Screen
	<input checked="" type="checkbox"/>	Notify Physician Diagnostics
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR HOLD
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR Qualitative GL
	<input checked="" type="checkbox"/>	Physician to Nurse Newborn
Car Seat Test	<input checked="" type="checkbox"/>	Physician to Nurse Activity

### Admission NICU (all facilities)

Category	Order	Description
Medical	<input checked="" type="checkbox"/>	Brain Evoked Poten/Aud Screen
Hearing Screening	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR HOLD
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR Qualitative GL
Diet	<input checked="" type="checkbox"/>	MBN Plus Breast

### STANDING ORDERS Admission Newborn (WHH WHW SJS MPH MCS SJW SJH)

Category	Order	Description
Medical	<input checked="" type="checkbox"/>	Notify Physician Newborn
Hearing Screening	<input checked="" type="checkbox"/>	Physician to Nurse Diagnostic Tests
	<input checked="" type="checkbox"/>	Brain Evoked Poten/Aud Screen
	<input checked="" type="checkbox"/>	Notify Physician Newborn
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR HOLD
	<input checked="" type="checkbox"/>	Physician to Nurse Labs
	<input checked="" type="checkbox"/>	CMV PCR Qualitative GL
	<input checked="" type="checkbox"/>	Physician to Nurse Procedure
Car Seat Test	<input checked="" type="checkbox"/>	