
OVERVIEW

- **Secondary Synonym:** IR Lumbar Puncture (what the ordering provider sees in Cerner)
- **Primary Synonym:** XR Lumbar Puncture (the actual order name in Cerner & Department Order Entry)
 - > This is a new order that will need to be created with details provided below.
- The order requisition prints to **XR Printers**.
 - > Riverside - vmio_sv rad ip xr re
 - > Southside - sl1049_xr_req
 - > Clay - cc1007_svc_xr_req
 - > St Johns - sjc_read_req

ORDER SPECIFICS

- **Order Name:** XR Lumbar Puncture
 - CPT - none
 - CDM - 7036
- **Procedure:** (required drop down list)
 - > With fluid labs
 - > With pressures only
 - > With intrathecal chemotherapy
 - > With nuclear medicine injection
- **Reference:**
 - > Ordering provider must order desired fluid labs. Search for "CSF Fluid Labs" in Cerner.
- **Reason for Exam:** (required drop down list)
 - > Headache
 - > Fever
 - > Altered mental status / encephalopathy
 - > Meningitis/encephalitis
 - > Seizure activity
 - > Weakness/paresthesia/neuropathy
 - > Raised intracranial pressure
 - > Papilledema
 - > Benign intracranial hypertension
 - > Normal pressure hydrocephalus
 - > Intracranial hemorrhage
 - > Neoplasm
 - > Memory loss
 - > Other

- **Priority:** (required drop down list)
 - > Routine (default selection)
 - > Expedite
 - > STAT
- **Transport Mode:** (required drop down list)
 - > Stretcher (default selection)
- **Reference:**
 - > Visit ir.svrads.com for guidelines.

OTHER ITEMS

- Create order set named "CSF Fluid Labs" with the following labs (✓ indicates default selected).
 - > Existing Cerner order set named "CSF Lab". Maybe you can modify it or use as template.

First Section named "**Routine Labs**"

Cell Count CSFluid w/ Diff (Cerebrospinal Fluid, T;N, STAT)
 Glucose CSF (Cerebrospinal Fluid, T;N, STAT)
 Protein CSF (Cerebrospinal Fluid, T;N, STAT)
 Pathology Non-Gyn Request (Cytology Body Fluid) (RT, Cerebrospinal Fluid)
 CSF Culture (Cerebrospinal Fluid, T;N, STAT)

Next Section named "**Micro/Infection Labs**"

Fungal Culture (Cerebrospinal Fluid, T;N, STAT)
 Acid Fast Bacilli Culture and Smear (Cerebrospinal Fluid, T;N, Routine)
 Spinal Fluid VDRL (Cerebrospinal Fluid, T;N, STAT)
 CSF Cryptococcal Antigen (Cerebrospinal Fluid, T;N, STAT)
 HSV by NAAT (Cerebrospinal Fluid, T;N, STAT)
 Varicella-Zoster Virus by PCR CSF (Cerebrospinal Fluid, T;N, STAT)
 Enterovirus Detection by RT-PCR (Cerebrospinal Fluid, T;N, STAT)
 West Nile Virus IgG+IgM, CSF (Cerebrospinal Fluid, T;N, STAT)
 Lime, Line Blot, CSF (Cerebrospinal Fluid, T;N, STAT)
 Reference Test Miscellaneous - Lyme Disease, Borrelia burgdorferi, Real-time PCR
 (Cerebrospinal Fluid, T;N, STAT)
 Reference Test Miscellaneous - Cytomegalovirus (CMV), Qualitative, PCR
 (Cerebrospinal Fluid, T;N, STAT)

Next Section named "**Demyelinating Disease Labs**"

Myelin Basic Protein CSF (Cerebrospinal Fluid, T;N, Routine)
 Reference Test Miscellaneous - Multiple Sclerosis (MS) Profile
 (Blood and Cerebrospinal Fluid, T;N, Routine)
 Reference Test Miscellaneous - Anti-Aquaporin 4 (AQP4), Spinal Fluid
 (Cerebrospinal Fluid, T;N, Routine)

Next Section named "**Neurodegenerative Disease Labs**"

Reference Test Miscellaneous - Alzheimer's Disease Evaluation Profile, CSF

(Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - 14-3-3 Protein, CSF (Prion Disease)

(Cerebrospinal Fluid, T;N, Routine)

Next Section named "**Paraneoplastic & Autoimmune Labs**"

Reference Test Miscellaneous - Paraneoplastic Autoantibody Profile

(Blood and Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Autoimmune Encephalopathy Profile

(Blood and Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Autoimmune Axonal Neuropathy Profile

(Blood and Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Autoimmune Myelopathy Profile

(Blood and Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Anti-N-methyl-D-Aspartate Receptor (NMDAR), Spinal Fluid

(Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Glutamic Acid Decarboxylase (GAD65) Antibody Assay,

Spinal Fluid (Cerebrospinal Fluid, T;N, Routine)

Reference Test Miscellaneous - Sensory-Motor Neuropathy Antibody Panel (Ganglioside)

(Blood, T;N, Routine)

Next Section named "**Other Labs**"

Angiotensin Converting Enzyme CSF (Cerebrospinal Fluid, T;N, Routine)

Cryoglobulin (Blood, T;N, Routine)

Body Fluid Flow Cytometry (RT, Cerebrospinal Fluid)

> Example of the different order sections:

Routine		
<input type="checkbox"/>	<input checked="" type="checkbox"/> Cell Count CSFluid w/ Diff	Cerebrospinal Fluid, T;N, Stat
<input type="checkbox"/>	<input checked="" type="checkbox"/> Pathology Non-Gyn Request	ST
<input type="checkbox"/>	<input checked="" type="checkbox"/> Glucose CSF	Cerebrospinal Fluid, T;N, Stat
<input type="checkbox"/>	<input checked="" type="checkbox"/> Protein CSF	Cerebrospinal Fluid, T;N, Stat
<input type="checkbox"/>	<input checked="" type="checkbox"/> Spinal Fluid VDRL	Cerebrospinal Fluid, T;N, Stat
Microbiology		
<input type="checkbox"/>	<input checked="" type="checkbox"/> CSF Culture	Cerebrospinal Fluid, T;N, Stat
<input type="checkbox"/>	<input checked="" type="checkbox"/> Fungal Culture	Cerebrospinal Fluid, T;N, Stat

- Once the new XR Lumbar Puncture order is live, leave the following orders visible to Radiology in Department Order Entry but hide from everyone (including Radiology) in Cerner.
 - > XR Chemo into CNS w/ Lumbar Puncture (but rename order XR Lumbar Puncture with Chemo)
 - > IR Chemo into CNS w/Lumbar Puncture (but rename order IR Lumbar Puncture with Chemo)
 - > Change the Reason for Exam for both of these orders to have Neoplasm as the only option.
- Once the new XR Lumbar Puncture order is live, hide the following orders from everyone (including Radiology) in both Cerner and Department Order Entry.
 - > XR Lumbar Puncture Under Fluoro
 - > LP Under Fluoro XR
 - > Lumbar Puncture w/Fluoro
 - > Spinal Tap W/Fluoro