

## AHRO Laboratories' Catalog of Tests D-F

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### Approvals

- Signature: Alexandra Reichman, Physician signed on 12/18/2023, 8:37:56 AM
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### Revision Insight

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Owner:	Edgar Ferrusquia, Laboratory Supervisor
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#### Revision Note:

To add Fentanyl.

[Added at review/expire: Fentanyl added. ]

[Marked as Reviewed on 12/18/2023 by Edgar Ferrusquia: Next Review Date is 12/18/2025.]

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*Subject/Title:*

**AHRO Laboratories Catalog of Tests D-F**

**Catalog Format:** Review the following alphabetical listing of our lab test catalog for each of our offered tests. Each page has at least the following elements:

**Test Name**

**Alternate Test Name**

**LIS/HIS Code**

**Storage/Transportation**

**Specimen Requirements**

**Optimal Volume**

**Minimal Volume**

**Post Testing Storage**

**Patient Preparation**

**Collection Instructions**

**Reference Ranges**

**Methodology**

**Additional Information**

## AHRO Laboratories Catalog of Tests D-F

D-Dimer Test Quantitative	
Alternate Test Name	
HIS Code / LIS Code	1314. DDIM
Where Performed	AHRO
Transportation/Storage	Transport citrated plasma by courier or cab.
Specimen Requirements	Plasma from a 3.2% Sodium Citrate tube is the specimen required. Test must be performed within 4 hours if stored at room temperature or 8 hours if stored at 2 – 8°. The tube must be correctly filled, <u>ratio of anticoagulant to blood is critical.</u>
Optimal Volume	1.0 mL
Minimal Volume	0.50 mL
Storage	Room Temp if test is to be performed within 8 hours, Plasma may be quick frozen and stored at -20°C for up to one month.
Patient Preparation	None
Reference Ranges	<0.5 µL
Methodology	Latex Immunoassay
Additional Information	Elevated levels are found in deep vein thrombosis, pulmonary embolism or DIC.

Digoxin	
Alternate Test Name	Linixin, Digitalis
HIS Code / LIS Code	DIG
Where Performed	AHRO
Transportation/Storage	8 Hours at Room Temp / 7 Days at 2-8°C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	Draw: 6-8 hours post oral dose  2 - 4 hours post I.V. dose 1 hour post I.M. dose (8 hours post oral dose of Digitoxin)
Reference Ranges	0.5 – 1.2 ng/mL
Methodology	Homogeneous Enzyme Immunoassay (EMIT)
Additional Information	Note last dose time and date with requisition in the LIS or HIS.

## AHRO Laboratories Catalog of Tests D-F

Erythrocyte Sedimentation Rate	
Alternate Test Name	ESR
HIS Code / LIS Code	1205, ESR
Where Performed	AHRO
Transportation/Storage	Performed at RMH
Specimen Requirements	EDTA whole blood. EDTA MAP tube is acceptable.
Optimal Volume	3 mL
Minimal Volume	0.5 ml
Storage	Room Temperature
Patient Preparation	None
Reference Ranges	<u>Males:</u> 0 -10 mm/hour <u>Females:</u> Age <50: 0 – 20 mm/hour Age >50: 0 -30 mm/hour
Methodology	Modified Westergren
Additional Information	

Ethanol	
Alternate Test Name	ETOH, Blood Alcohol
HIS Code / LIS Code	ETOHMED
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry. Use hospital courier or cab to transport in a cooler to AHRO if needed. 3 days at 2-8°C if unopened tube
Specimen Requirements	Serum or Heparinized Plasma (Lithium Heparin). Tube must be unopened to ambient air.
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	None
Reference Ranges	<10 mg/dl
Methodology	Enzymatic Rate
Additional Information	

## AHRO Laboratories Catalog of Tests D-F

Fentanyl (Urine Only)	
Alternate Test Name	Fentanyl or Norfentanyl
HIS Code / LIS Code	UDS AH
Where performed	AHRO
Transportation/Storage	Fresh urine preferred. It may be refrigerated at 2 – 4 °C for up to 4 weeks.
Specimen Requirements	Fresh urine.
Optimal Volume	1 mL
Minimal Volume	1 mL
Patient Preparation	None
Reference Ranges	Negative (cutoff at 5 ng/mL)
Methodology	Homogeneous Enzyme Immunoassay
Additional Information	Provides only a preliminary analytical result. Positive results are being confirmed by MASS Spectrometry. Reflex send out test (AH Tulare).

Ferritin	
Alternate Test Name	
HIS Code / LIS Code	FERRITIN
Where Performed	AHRO
Transportation/Storage	7 days at 2-8°C
Specimen Requirements	Serum Only
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	None
Reference Ranges	Male: 15 - 322 ng/mL Female: 6 - 291 ng/mL
Methodology	Latex Agglutination
Additional Information	

## AHRO Laboratories Catalog of Tests D-F

Fetal Fibronectin, fFN	
Alternate Test Name	
HIS Code / LIS Code	FFNQL
Where Performed	AHRO
Transportation/Storage	Transport at 2-8 °C (refrigerated). Run immediately in chemistry.
Specimen Requirements	Cervicovaginal secretions with a collection kit provided by Hologic at 1-888-PRETERM (1-888-773-8376).
Optimal Volume	1mL of total collection (buffer plus swab)
Minimal Volume	0.5 ml of total collection (buffer plus swab)
Storage	2 hours at room temperature or 3 days at 2-8 °C (refrigerated).
Patient Preparation	<ul style="list-style-type: none"> <li>• Special collection devices, with instructions, are provided at no charge by calling 1-888-PRETERM. Please call and order a supply as you see fit (stored at room temp.).</li> <li>• Take care not to contaminate with lubricants, soaps or disinfectants.</li> <li>• The specimen must be obtained <u>prior</u> to digital cervical examination, vaginal probe ultrasound examination, or collection of swabs for culture, as manipulation of the cervix may cause release of fFN.</li> <li>• Symptomatic Women: During a sterile speculum examination, lightly rotate the supplied swab across the posterior fornix for approximately 10 seconds to absorb cervicovaginal secretions.</li> <li>• Asymptomatic Women: During a sterile speculum examination, lightly rotate the supplied swab across the posterior fornix or the ectocervical region of the external cervical for approximately 10 seconds to absorb cervicovaginal secretions.</li> <li>• Place swab in transport tube. Break the shaft (at the score).</li> <li>• Align shaft with tube cap and push down tightly sealing the tube. Transport the specimens to the lab for testing at 2 to 8°C (refrigerated).</li> </ul>
Reference Ranges	Negative for fFN
Methodology	Solid-phase immunosorbent device
Additional Information	<p>The test should not be used in the following cases:</p> <ul style="list-style-type: none"> <li>• Placenta previa or abruption</li> <li>• Moderate or gross vaginal bleeding</li> <li>• Ruptured membrane</li> <li>• Advanced cervical dilation (&gt;3cm)</li> <li>• Sexual intercourse in preceding 24 hours (20-50 % chance of false positive)</li> </ul>

## AHRO Laboratories Catalog of Tests D-F

Fibrinogen	
Alternate Test Name	
HIS Code Number	1103
LIS Code	FIBR
Where Performed	AHRO
Transportation/Storage	Room Temperature but test within 2 hours
Specimen Requirements	Plasma from a 3.2% Sodium Citrate tube is the required specimen. Test must be performed within 2 hours if stored at room temperature or 4 hours if stored at 2 - 8°C. Tube must be correctly filled, ratio of anticoagulant to blood is critical. <u>A discard tube or discard syringe, if from a line, must be drawn before citrate tube to ensure quality of sample.</u>
Storage	Room temperature if test is to be performed within two hours, 2 -8°C if delay <u>up to four hours</u> is anticipated. Plasma may be quick frozen and stored at -70°C for up to one week.
Patient Preparation	None
Reference Ranges	See patient report for current reference range
Methodology	Mechanical clot detection
Additional Information	<u>Special Requirements for Coagulation Testing Specimens:</u> See separate procedure for special instructions for collection of coagulation specimens.

Fibrinogen Degradation Products	
Alternate Test Name	Fibrin Split Products, FSP, FDP
HIS Code Number	1102
LIS Code	FDP
Where Performed	AHRO
Transportation/Storage	Transport serum from special tube by courier or cab.
Specimen Requirements	<i>Serum from a special black top tube from the FDP kit is the specimen required.</i> Test must be performed within 4 hours if stored at room temperature or 8 hours if stored at 2 - 8°C <u>Optimal Volume:</u> 1.0 mL <u>Minimal Volume:</u> 0.5 mL
Storage	Room Temperature if test is to be performed within 4 hours, 2 - 8° if delay up to 8 hours is anticipated. Plasma may be quick frozen and stored at -70°C for up to one month.
Patient Preparation	None
Reference Ranges	<0.5µL
Methodology	Latex screen
Additional Information	Elevated levels are found in deep vein thrombosis, pulmonary embolism or DIC

## AHRO Laboratories Catalog of Tests D-F

Fluid Crystals	
Alternate Test Name	Crystals by polarized light
HIS Code / LIS Code	1164, FCR
Where Performed	AHRO
Transportation/Storage	Crystal examination should occur soon after collection due to changes in the fluid's pH.
Specimen Requirements	Send the entire collection of the tap to the laboratory for testing
Optimal Volume	2-3 mL of fluid
Minimal Volume	0.5 mL of fluid
Storage	
Patient Preparation	None
Reference Ranges	No crystals seen
Methodology	Microscopic examination via polarized light
Additional Information	This test is for fluid crystals only and is not for urinary stone analysis.

Folate	
Alternate Test Name	
HIS Code / LIS Code	FOLATE
Where Performed	AHRO
Transportation/Storage	2 days 2-8°C, > 2 days - 20°C
Specimen Requirements	Serum
Optimal Volume	1.0 ml
Minimal Volume	0.5 ml
Patient Preparation	NONE – serum collection using CLSI standards
Reference Ranges	Normal >5.9 ng/ml
Methodology	Competitive immunoassay
Additional Information	NA



## AHRO Laboratories Catalog of Tests D-F

Free T4	
Alternate Test Name	Free Thyroxine, T4-FREE
HIS Code / LIS Code	T4F
Where Performed	AHRO
Transportation/Storage	8 Hours at Room Temp / 48 hours at 2-8°C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	None
Reference Ranges	0.58 – 1.64 ng/dL
Methodology	Two Step Enzyme Immunoassay
Additional Information	