

AHRO Laboratories' Catalog of Tests T

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Revision Insight

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Revision Note:
To update TROPI to TROPHS.
To modify FRHG to AHRO.
Footer revision removed.



Subject/Title: **Laboratories Catalog of Tests T**

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

Document Title

TOTAL T4	
Alternate Test Name	
HIS Code / LIS Code	T4T
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	8 Hours at Room Temp / 24 hours at 2-8°C
Patient Preparation	None
Reference Ranges	6.09 – 12.23 µg/dL
Methodology	Competitive Binding Immunoenzymatic Assay
Additional Information	

THC	
Alternate Test Name	Cannabinoids, Cannabis, Delta-9-tetrahydrocannabinoid, Δ-9-tetrahydrocannabinoid
HIS Code / LIS Code	
Where Performed	AHRO
Transportation/Storage	7 Days at Room Temp
Specimen Requirements	Random Urine
Optimal Volume	15 mL to allow for confirmation testing if needed.
Minimal Volume	0.25 mL
Patient Preparation	None
Reference Ranges	Negative (cutoff at 50 ng/mL)
Methodology	Homogeneous Enzyme Immunoassay (EMIT)
Additional Test Information	If this test is found to be Indeterminate, it is sent to a reference lab for confirmation.

Theophylline	
Alternate Test Name	Aminophylline
HIS Code / LIS Code	THEO
Where Performed	AHRO
Transportation/Storage	30 days at 2-8°C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	Draw: 1-2 hours post oral dose, 8-12 hours if Extended Release, or 30 minutes post I.V. dose if dose is known
Reference Ranges	10 - 20 µg/mL
Methodology	Homogeneous Enzyme Immunoassay (EMIT)

Document Title

Tobramycin	
Alternate Test Name	
HIS Code / LIS Code	Random Level: TOBRAR Peak: 1225P/TOBRAT Trough: 1225T/TOBRAP
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	24 hours at 2 - 8 °C (FREEZE if not run immediately)
Patient Preparation	Draw levels at: <u>Peak</u> : 15 - 30 minutes post I.V. dose or 45 -60 minutes post I.M. dose <u>Trough</u> : Immediately before the next dose
Reference Ranges	Peak: 4.0 -10.0 µg/mL Trough: <2.0 µg/mL <u>Random: N/A</u>
Methodology	Homogeneous Enzyme Immunoassay (EMIT)
Additional Test Information	Note last dose time and date with requisition in the LIS .

Total Bilirubin (Blood or OBF)	
Alternate Test Name	T-Bili
HIS Code / LIS Code	Blood:BILIT BF: BF TBIL
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	3 Days at 2-8°C(if well protected from light)
Patient Preparation	None
Reference Ranges	Blood: 0.3 - 1.2 mg/dL BF: No Range
Methodology	Diazonium Salt
Additional Information	Protect from light

Document Title

Total Protein (Blood)	
Alternate Test Name	TP
HIS Code / LIS Code	PROT
Where Performed	AHRO
Transportation/Storage	7 days at Room Temp / 30 Days at 2-8 °C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	None
Reference Ranges	6.1 –8.3 gm/dL
Methodology	Biuret
Additional Information	

Transferrin	
Alternate Test Name	TRF
HIS Number / LIS Code	TRNSF
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	24 Hours at 2-8°C
Patient Preparation	None
Reference Ranges	Male: 192 – 382 mg/dL Female: 175 – 380 mg/dL
Methodology	Immunoturbidmetric
Additional Information	<i>For iron/ transferrin saturation</i> , an iron panel must be run to calculate this parameter of iron metabolism.

Tricyclic Antidepressants (Urine)	
Alternate Test Name	TCA
HIS Code / LIS Code	TCA
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry. Use hospital courier or cab to transport in a cooler to RMH if needed.
Specimen Requirements	Random Urine
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	48 Hours at 2-8°C
Patient Preparation	None
Reference Ranges	Negative
Methodology	One Step Immunochromatographic
Additional Information	

Document Title

Triglyceride (Blood or OBF)	
Alternate Test Name	Trig
HIS Code / LIS Code	Blood: TRIG BF: BF TRIG
Where Performed	AHRO
Transportation/Storage	Blood: 7 days at 2-8°C.
Specimen Requirements	Heparinized Plasma or Serum or OBF
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Patient Preparation	Patient should be fasting for 10 - 12 hours
Reference Ranges	Blood: <150 mg/dL OBF: No Range
Methodology	Glycerol Phosphate Oxidase
Additional Information	

High Sensitivity Troponin I	
Alternate Test Name	hsTnI
HIS Code / LIS Code	TROPHS
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma.
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	24 hours at 2-8°C
Patient Preparation	None
Reference Ranges	Males: <20 pg/mL Females: <15 pg/mL
Methodology	Two-site Sandwich Immunoenzymatic Assay
Additional Information	

Document Title

TSH	
Alternate Test Name	Thyroid Stimulating Hormone, 3rd Generation
HIS Code / LIS Code	TSH3
Where Performed	AHRO
Transportation/Storage	18 hours at Room Temp / 7 Days at 2-8°C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	2 mL
Minimal Volume	1 mL
Patient Preparation	None
Reference Ranges	0.40 – 4.5 µIU/mL
Methodology	Two Site Immunoenzymatic Assay
Additional information	

TSH with Reflex to FT4	
Alternate Test Name	TSH3IF
HIS Code / LIS Code	TSH3IF
Where Performed	AHRO
Transportation/Storage	8 hours at Room Temp / 48 Hours at 2-8°C
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	2 mL
Minimal Volume	1 mL
Patient Preparation	None
Reference Ranges	TSH = 0.40 – 4.5 µIU/ml , FT4 = 0.58-1.64 ng/ml
Methodology	Two Site Immunoenzymatic Assay
Additional information	TSH result outside of reference range will reflex to FT4

T-Uptake (FTI or Free Thyroxine Index)	
Alternate Test Name	T3 Uptake,
HIS Code / LIS Code	T3UP
Where Performed	AHRO
Transportation/Storage	Run immediately in chemistry.
Specimen Requirements	Heparinized Plasma or Serum
Optimal Volume	1 mL
Minimal Volume	0.25 mL
Storage	18 hours at Room Temp / 7 Days at 2-8 °C
Patient Preparation	None
Reference Ranges	32.0 – 48.4 % (per normal chart)
Methodology	Two Site Immunoenzymatic Assay
Additional Information	

Document Title

Tzanck Preparation	
Alternate Test Name	Skin lesion smear for Herpes
	None - pathology procedure
Where Performed	RMH
Transportation/Storage	
Specimen Requirements	The clinician collects the specimen from a vesicle and smears it on slides. The slides are submitted to the lab for staining. The stains are done in pathology or hematology if the histology assistant is not present.
Optimal Volume	NA
Minimal Volume	NA
Storage	Room Temperature
Patient Preparation	None.
Reference Ranges	
Methodology	
Additional Information	See pathology section of this manual