



Interpath Laboratory, Inc. Test File Update

As an Interpath customer who receives electronic results or sends electronic orders you may need to be notified when we update our Service Manual. Although we try to keep these changes to a minimum, laboratory medicine is an evolving industry requiring changes to our technology from time to time. Depending on the requirements of your EMR or Hospital Information System you may be required to make similar changes to your system in order to correctly process inbound electronic results and create outbound electronic orders.

If you are uncertain that you are required to update your system we recommend that you contact your vendor for more information. As your laboratory service provider we are available to participate in the discussion with your vendor so that you clearly understand the impact of these changes.

Included in this email:

- This cover letter with a summary of the changes
- Microsoft Word® Document with the detail of these changes to our Service Manual
- Interpath Master Order/Result Compendium

Additional information including our most recent Service Manual and additional contact information can be found at www.interpathlab.com

Effective Date: November 7, 2019

Order Code	Test Name	NC	CC	CPT	SRC	RRC	NT	DT	AOE
		Name Change	Component Change	CPT Change	Specimen Requirements Change	Reference Range Change	New Test	Discontinued Test	Ask on Order Entry Questions
5024	Sex Hormone Binding Globulin					◆			
5022	Testosterone, Free					◆			
5025	Testosterone, Free + Total					◆			

5024 Sex Hormone Binding Globulin
RRC

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Red Top
Submit:	1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid repeated freeze and thaw cycles. For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration. Minimize air exposure State age and sex of patient.
Rejection Criteria:	EDTA plasma
Stability:	Ambient: Unacceptable; Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84270
Interpretive Data:	Biotin in specimens taken from patients on high-dose biotin therapy or supplements may interfere with this test and cause inaccurate test results. It is recommended that for patients receiving therapy with high biotin doses (> 5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration.

Please take note of change to reference range.
Reference Ranges Changes:
Sex Hormone Binding Globulin

<u>Age</u>	<u>Male Reference Range</u>	<u>Female Reference Range</u>
0 – 4 weeks	9-60 nmol/L	10-43 nmol/L
4 weeks – 1 year	51-178 nmol/L	43-154 nmol/L
1 – 3 years	36-133 nmol/L	43-134 nmol/L
3 – 6 years	33-124 nmol/L	41-121 nmol/L
6 – 9 years	32-122 nmol/L	26-88 nmol/L
9-12 years	27-79 nmol/L	17-85 nmol/L
12 – 15 years	11-54 nmol/L	14-65 nmol/L
15 – 18 years	9-46 nmol/L	8-64 nmol/L
18+ years	9-68 nmol/L	17-111 nmol/L

Testosterone, Free - Reference Range Changes:

Sex Hormone Binding Globulin

<u>Age</u>	<u>Male Reference Range</u>	<u>Female Reference Range</u>
0 – 4 weeks	9-60 nmol/L	10-43 nmol/L
4 weeks – 1 year	51-178 nmol/L	43-154 nmol/L
1 – 3 years	36-133 nmol/L	43-134 nmol/L
3 – 6 years	33-124 nmol/L	41-121 nmol/L
6 – 9 years	32-122 nmol/L	26-88 nmol/L
9-12 years	27-79 nmol/L	17-85 nmol/L
12 – 15 years	11-54 nmol/L	14-65 nmol/L
15 – 18 years	9-46 nmol/L	8-64 nmol/L
18+ years	9-68 nmol/L	17-111 nmol/L

5025 Testosterone, Free + Total
RRC

Specimen:		
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top	
Submit:	1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.	
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles Minimize air exposure Separate from cells ASAP Specimen should be collected between 6-10 a.m. For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration.	
Stability:	Ambient: 8 Hour(s); Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)	
Performed:	Mon-Fri	
Reported:	1-3 Day(s) The concentration of free testosterone is derived from a mathematical expression based on the constant for the binding of testosterone to sex hormone binding globulin.	
CPT Codes:	84270	84403
Interpretive Data:	Please see report for interpretive data.	
Components:	2179 - TESTOSTERONE 5023 - %FREE TESTO 1021 - ALBUMIN	5020 - FREE TESTOSTERONE 5024 - SEX HB GLOBULIN

Please take note of change to reference ranges for 5024 SEX HB GLOBULIN, 5020 FREE TESTOSTERONE, and 5023 %FREE TESTO.

Reference Ranges Changes (Pg. 6-7):

Free Testosterone

<u>Age</u>	<u>Male Reference Range</u>	<u>Female Reference Range</u>
0 – 11 years	0.00-0.40 ng/dL	0.00-0.70 ng/dL
11 – 16 years	0.03-14.6 ng/dL	0.04-1.7 ng/dL
16 – 20 years	3.4-19.6 ng/dL	0.09-1.8 ng/dL
20 – 50 years	3.3-26.8 ng/dL	0.06-1.3 ng/dL
50+ years	2.3-20.7 ng/dL	0.02-1.1 ng/dL

%Free Testosterone

Male: 1.8-3.2 ng/dL

Female: 0.4-2.6 ng/dL

Testosterone, Free + Total - Reference Range Changes:

Sex Hormone Binding Globulin

<u>Age</u>	<u>Male Reference Range</u>	<u>Female Reference Range</u>
0 – 4 weeks	9-60 nmol/L	10-43 nmol/L
4 weeks – 1 year	51-178 nmol/L	43-154 nmol/L
1 – 3 years	36-133 nmol/L	43-134 nmol/L
3 – 6 years	33-124 nmol/L	41-121 nmol/L
6 – 9 years	32-122 nmol/L	26-88 nmol/L
9-12 years	27-79 nmol/L	17-85 nmol/L
12 – 15 years	11-54 nmol/L	14-65 nmol/L
15 – 18 years	9-46 nmol/L	8-64 nmol/L
18+ years	9-68 nmol/L	17-111 nmol/L