

Virginia Commonwealth University Health System	
<b>Procedure Name:</b>	<b>ABBOTT ARCHITECT i2000 General Procedure: Appendix P – Infectious Disease Flowchart</b>
Section:	Chemistry
Subsection:	Track Automation
Original Implementation Date/Time:	8/15/2015 14:59
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Initial Procedure Review:	
Review Date: 8/11/2015	Reviewed By: Lorin Bachmann

Revisions: N/A if no changes	Revision Number	Review Date	Approved by:	Effective Date (if no changes made N/A)
New appendix. No technical changes.	0		Lorin Bachmann	4/3/20

## Hepatitis A Virus Antibody - Immunoglobulin G

### HAV IgG

#### HAV Ab - Total (aHAVGINDX)

This refers to the S/CO value obtained by the instrument

<1.00

>1.00

#### aHAVGINTR

This refers to the qualitative interpretation of the S/CO value

Negative

Positive

#### aHAVGINTRF

This is the final interpretation of the test which is released and seen on the patient's chart.

Negative

Positive

Testing is complete,  
release all HAV IgG  
results

Testing is complete,  
release all HAV IgG  
results

## Hepatitis A Virus Antibody - Immunoglobulin M

### HAV IgM

#### HAVAB-M (aHAVMINDX)

This refers to the S/CO value obtained by the instrument

<0.80

>0.80 and <1.21

>1.21

#### aHAVMINTR

This refers to the qualitative interpretation of the S/CO value

Negative

Equivocal

Positive

#### aHAVMINTRF

This is the final interpretation of the test which is released and seen on the patient's chart.

Negative

Equivocal

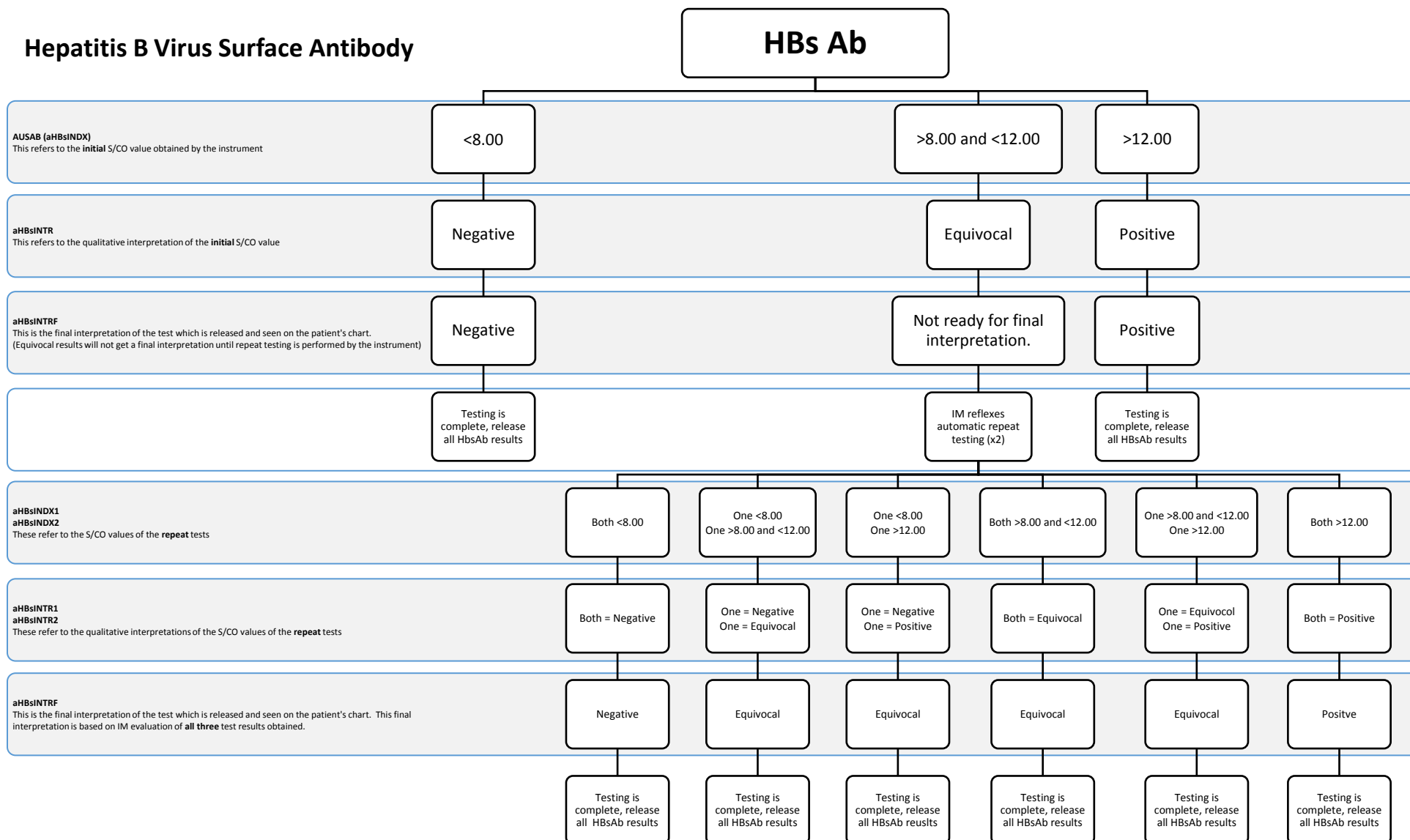
Positive

Testing is complete, release all HAV IgM results

Testing is complete, release all HAV IgM results

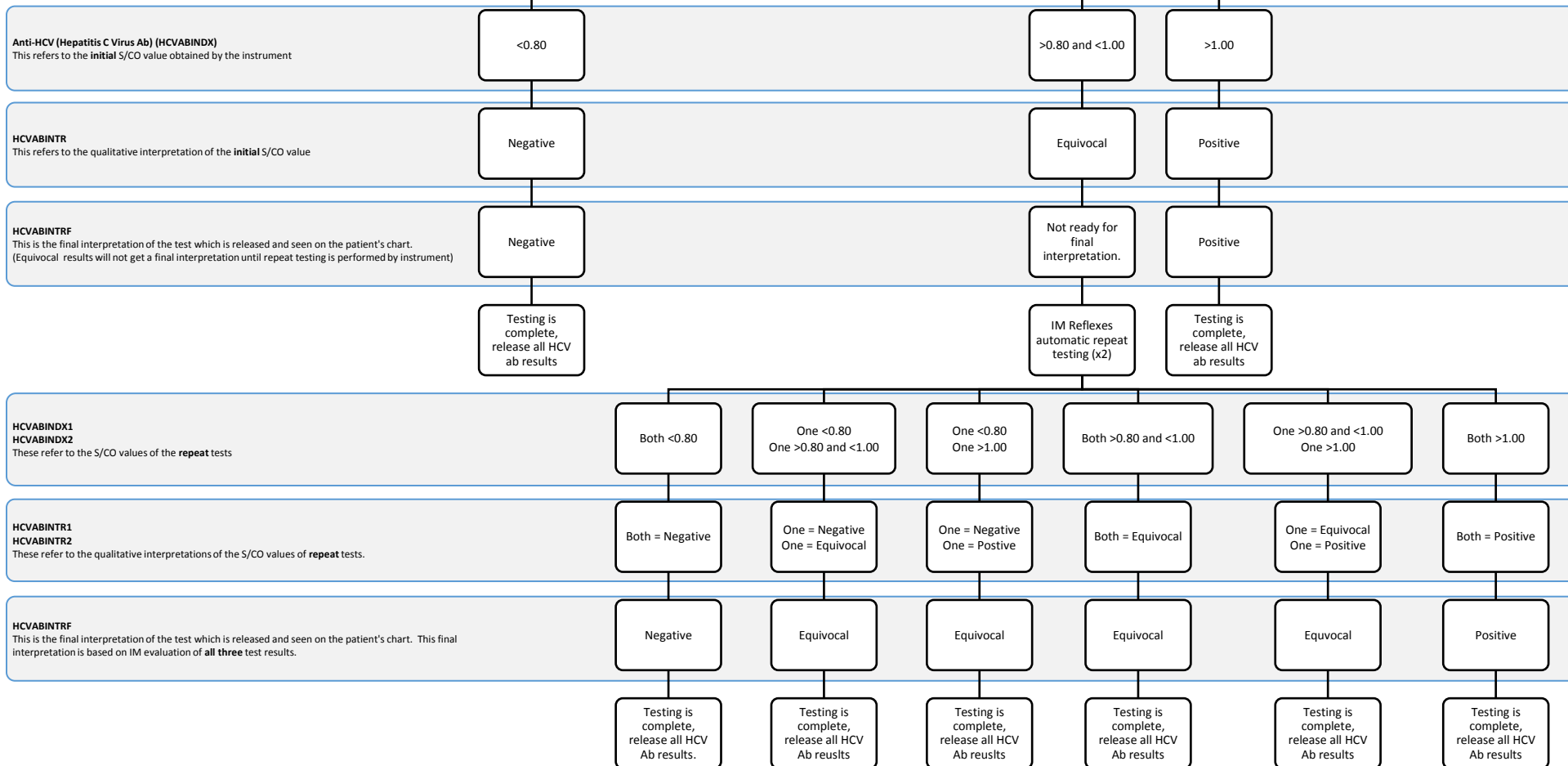
Testing is complete, release all HAV IgM results

## Hepatitis B Virus Surface Antibody

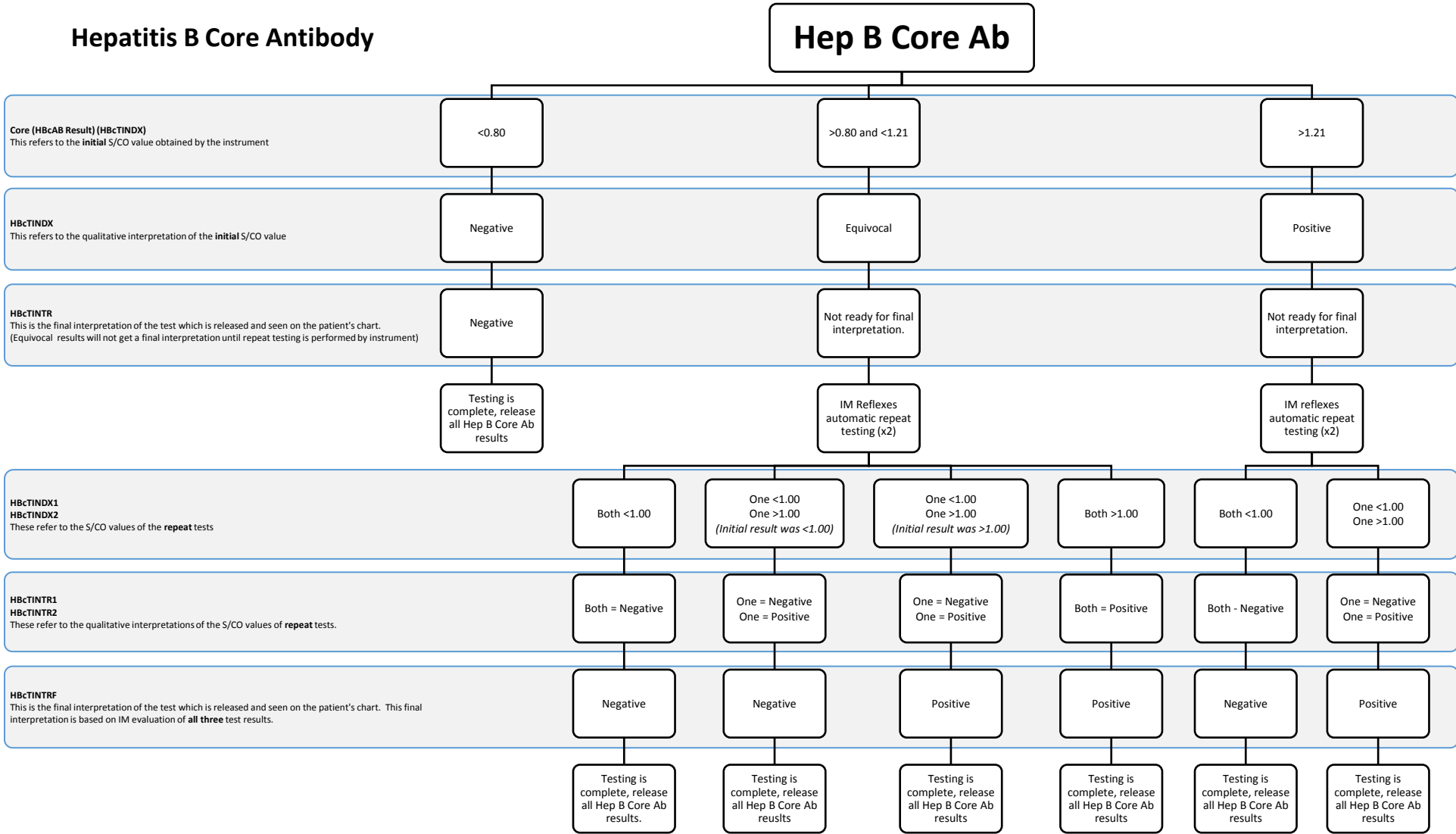


## Hepatitis C Virus Antibody

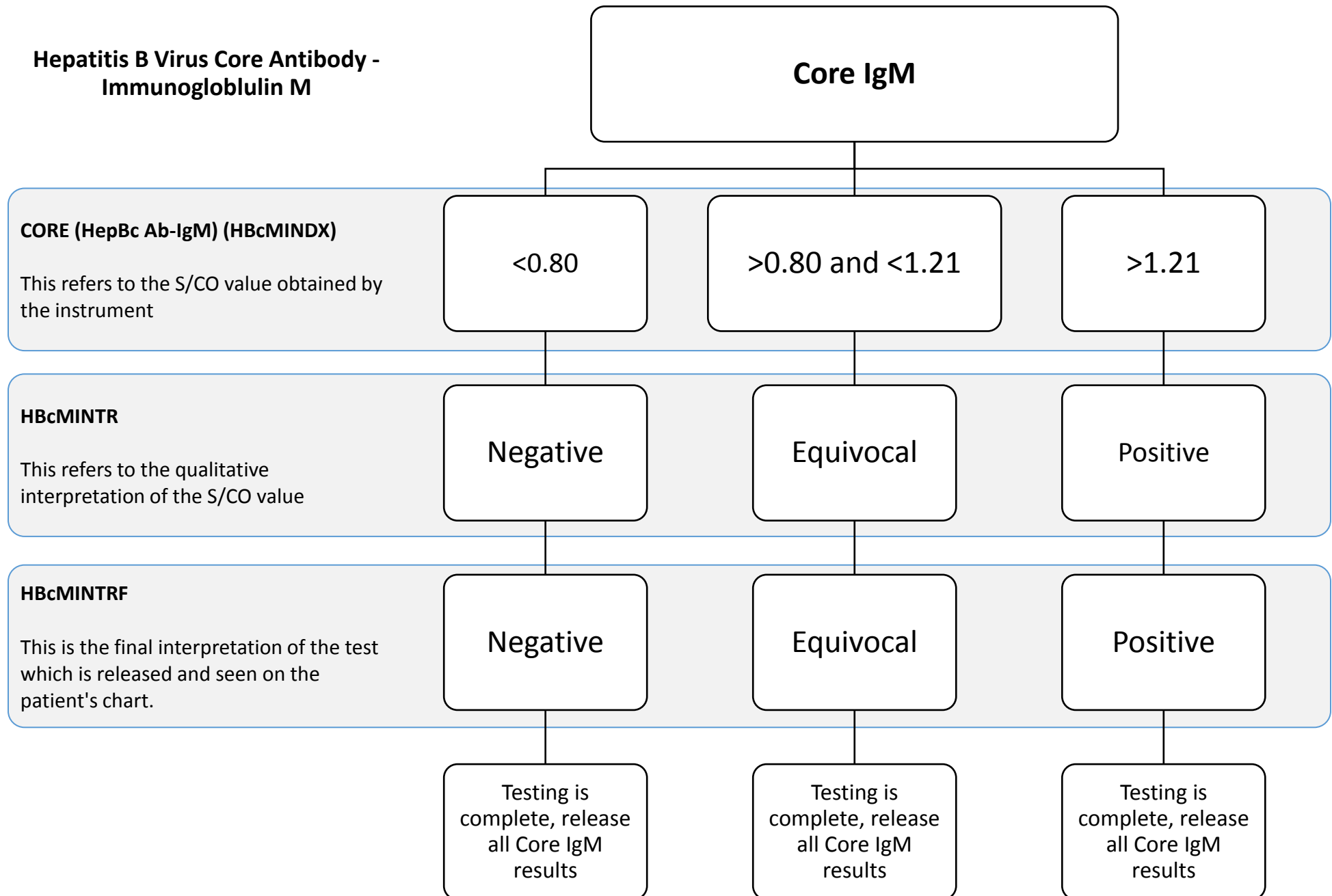
## HCV Ab





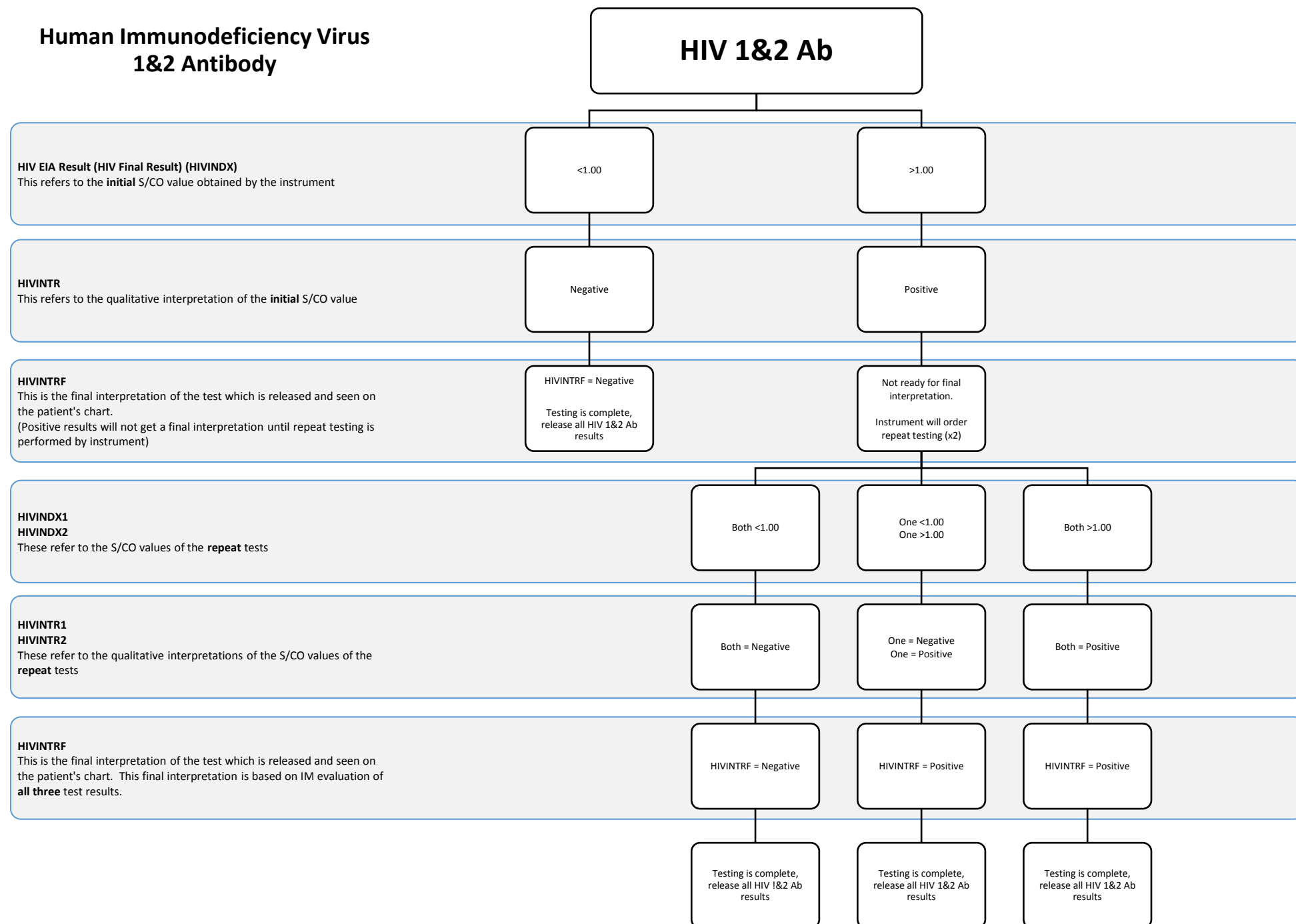


## Hepatitis B Virus Core Antibody - Immunoglobulin M

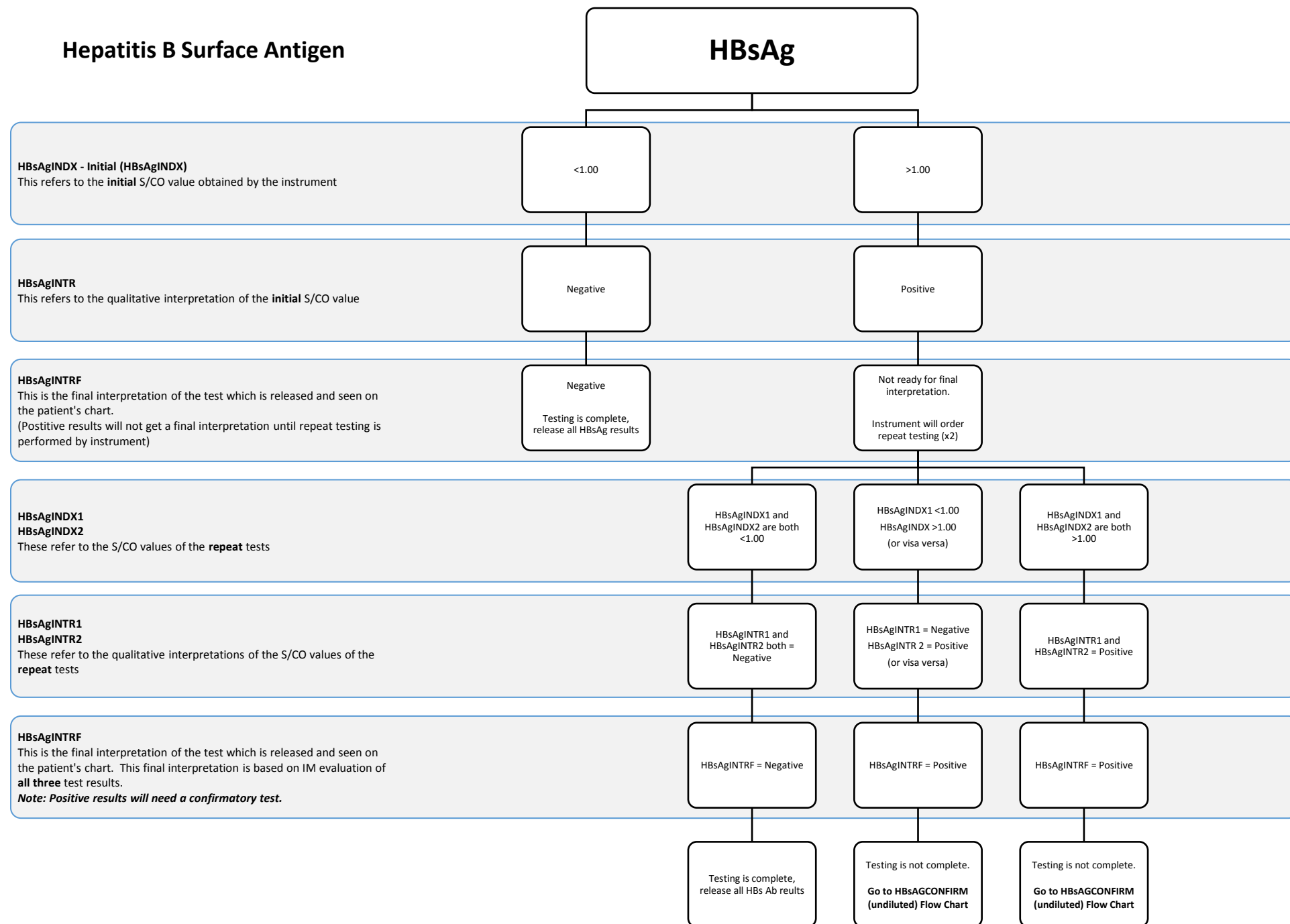




## Human Immunodeficiency Virus 1&2 Antibody



## Hepatitis B Surface Antigen



## Hepatitis B Surface Antigen Confirmatory Testing

### HBsAGCONFIRM (undiluted)

#### HBsAg - Confirm (HBsAgCNFO)

This refers to the S/CO value obtained by the instrument

<0.70

<10.00

>0.70

>10.00

#### HBsAgCNFN%N

This refers to the % Neutralization value obtained by the instrument

Any Value

<50%

>50%

<50%

#### HBsAgCNFNINTR

This is the final interpretation of the confirmatory test which is released and seen on the patient's chart.

(A higher S/CO value and a percent neutralization that is <50% suggests a high concentration of HBs Ag is present and dilution will be needed)

Not Confirmed

Not Confirmed

Confirmed Positive

Not ready for final  
interpretation.

IM will reflex a  
1:500 dilution

Testing complete,  
release all HBsAg  
and HBsAgCONFIRM  
results

Testing complete,  
release all HBsAg  
and HBsAgCONFIRM  
results

Testing complete,  
release all HBsAg  
and HBsAgCONFIRM  
results

**Reject** the 1st  
HBsAgCNFO and  
HBsAgCNFN%N in  
IM

Go to  
HBsAGCONFIRM  
1:500 Dilution Flow  
Chart

Hepatitis B Surface Antigen

Confirmatory Testing

1:500 Dilution

HBsAGCONFIRM

1:500 Dilution

**Make a 1:500 using HBsAg Confirmatory Manual Diluent:**

Add 25 uL of patient specimen to 475 uL of diluent (this is 1:20 dilution)

Add 20 uL of the 1:20 dilution to 480 uL of diluent (this is your 1:500 dilution)

At the instrument, order  
HBsAgQu%N, HBsAgQuC1 and  
HBsAgQuC2.

Enter the dilution factor into the  
comments box for record on the  
ordering screen.

**HBsAgCNF500**  
This refers to the S/CO value obtained by the instrument

<0.70

>0.70

>0.70

**HBsAgCNF500%N**  
This refers to the % Neutralization value obtained by the instrument

any value

>50%

<50%

**HBsAgCNF500INTR**  
This is the final interpretation of the confirmatory test which is released  
and seen on the patient's chart.  
(A higher S/CO value and a percent neutralization that is <50% suggests a  
high concentration of HBs Ag is present and another dilution will be  
needed)

Not Confirmed

Confirmed Positive

Not ready for final interpretation.  
IM will reflex a 1:20,000 dilution

Testing complete, release all HBsAg  
and HBsAgCONFIRM results

Testing complete, release all HBsAg  
and HBsAgCONFIRM results

Reject the HBsAgCNF500 and  
HBsAgCNF500%N in IM

Go to HBsAGCONFIRM 1:20,000  
Dilution Flow Chart

Hepatitis B Surface Antigen  
Confirmatory Testing  
1:20,000 Dilution

HBsAGCONFIRM  
1:20,000 Dilution

Make a 1:20,000 dilution using HBsAg  
Confirmatory Manual Diluent:

Add 25 uL of the 1:500 dilution to 975 uL of diluent

At the instrument, order  
HBsAgQu%N, HBsAgQuC1 and  
HBsAgQuC2  
  
Enter the dilution factor into the  
comments box on the ordering  
screen.

HBsAgCNF20K

This refers to the S/CO value obtained by the  
instrument

<0.70

>0.70

>0.70

HBsAgCNF20K%N

This refers to the % Neutralization value obtained  
by the instrument

any value

>50%

<50%

HBsAgCNF20KINTR

This is the final interpretation of the confirmatory  
test which is released and seen on the patient's  
chart.

Not Confirmed

Confirmed Positive

Not Confirmed

Testing complete, release all  
HBsAg and HBsAgCONFIRM  
results

Testing complete, release all  
HBsAg and HBsAgCONFIRM  
results

Testing complete, release all  
HBsAg and HBsAgCONFIRM  
results