

External Quality Assessment Scheme

## Hepatitis B and C, serology Round 2, 2023

### Specimens

Please find enclosed 3 human plasma or serum samples S001, S002 and S003, each 0.6/1.2/2.0 mL according to your order.

### Caution

Quality control specimens derived from human blood must be handled with the same care as patient samples, i.e. as potential transmitters of serious diseases. The specimens may contain infectious viruses. The specimens have not been inactivated.

### Examinations

HBsAg and HCVAb POCT  
HBsAg, screening and confirmatory tests  
HBcAb and HBcAbM  
HBeAb and HBeAg  
HBsAb, qualitative  
HCVAb, screening and confirmatory tests  
Clinical interpretations

### Storage and use

After arrival, the samples should be stored at +2...8°C, and used as soon as possible, preferably within a week. The samples are ready for use. Analyse as patient samples.

### Result reporting

Please enter the results and methods via LabScala (www.labscala.com). If you cannot find your instrument or reagent from the registry, please contact the EQA Coordinator. Report only the results of examinations that are in use in your laboratory. All reported examinations will be scored.

S001



S002



S003



2023-05-09

### INSTRUCTIONS

Product no. 5094-5096  
LQ773323021-023/FI  
UN3373

Subcontracting: Sample preparation, sample pretesting

If the kit is incomplete or contains damaged specimens, please report immediately to [info@labquality.fi](mailto:info@labquality.fi).

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The results should be reported no later than **May 31, 2023.**

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The expected results of the round are published in LabScala in the View Reports section by June 5, 2023.

### Inquiries

EQA Coordinator  
Marsa Järvenpää  
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### Labquality Oy

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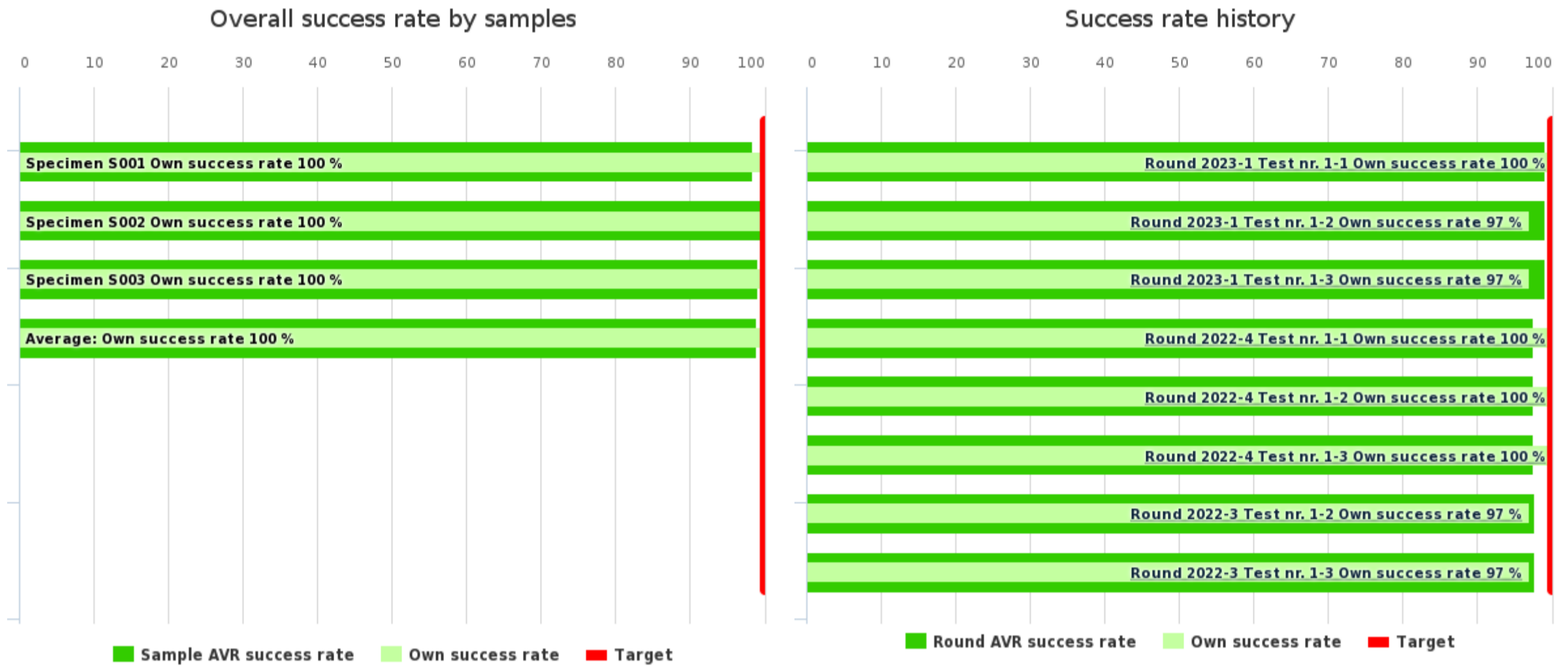
[info@labquality.fi](mailto:info@labquality.fi)  
[www.labquality.com](http://www.labquality.com)



Client report

	No of participants	No of responded participants	Response percentage
Hepatitis B and C, serology, specimen volume 0.6 mL, May, 2-2023	124	123	99.2 %
Hepatitis B and C, serology, specimen volume 1.2 mL, May, 2-2023	92	91	98.9 %
Hepatitis B and C, serology, specimen volume 2.0 mL, May, 2-2023	59	59	100 %

Summary Result 1

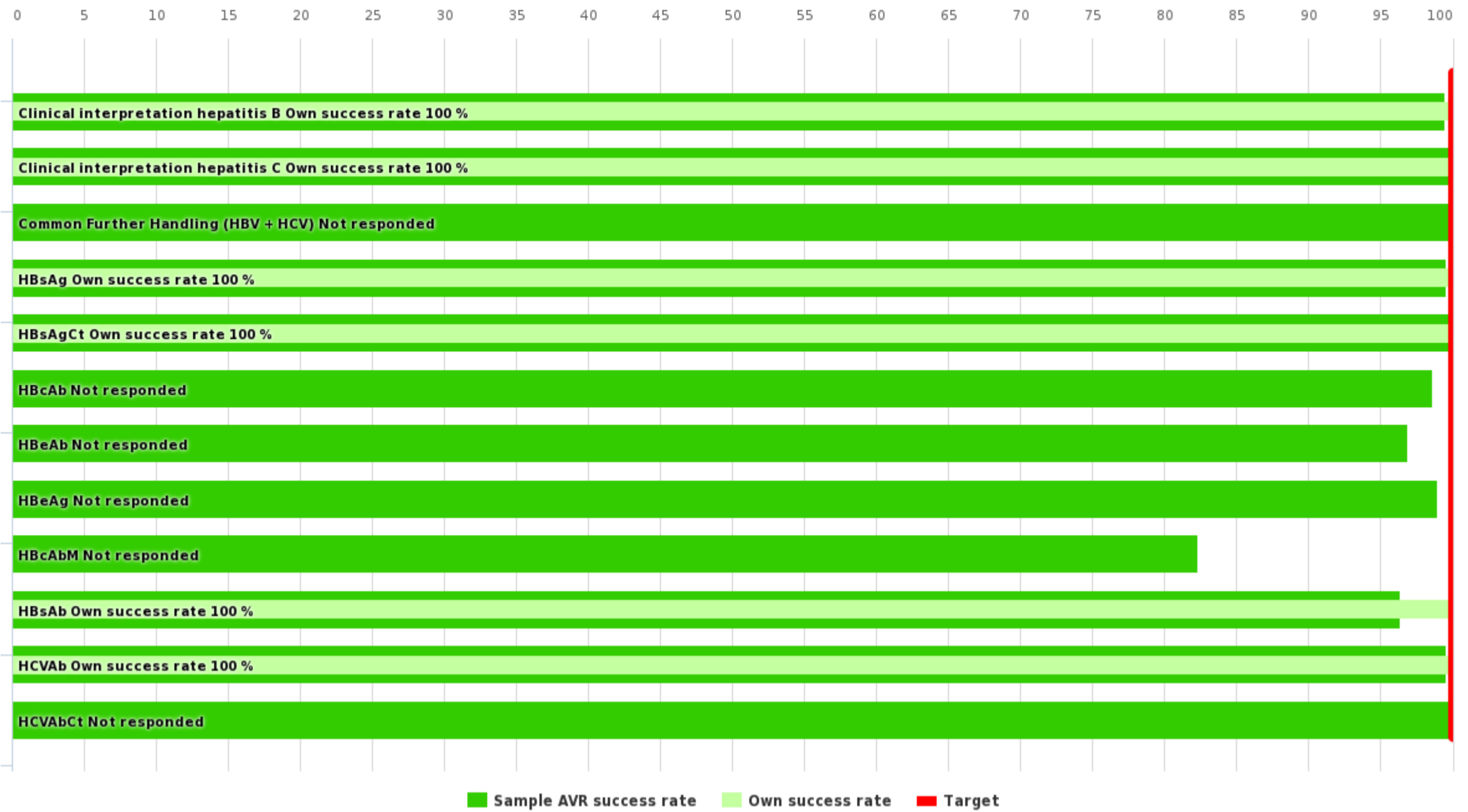


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Specimen S001	16	16	100 %	1.5 %	98.5 %
Specimen S002	16	16	100 %	0.6 %	99.4 %
Specimen S003	14	14	100 %	0.8 %	99.2 %
Average:			100 %	1 %	99 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2023-1	1-3	97 %	-2.2 %	99.2 %
Round 2023-1	1-2	97 %	-2.2 %	99.2 %
Round 2023-1	1-1	100 %	0.8 %	99.2 %
Round 2022-4	1-3	100 %	2.4 %	97.6 %
Round 2022-4	1-2	100 %	2.4 %	97.6 %
Round 2022-4	1-1	100 %	2.4 %	97.6 %
Round 2022-3	1-3	97 %	-0.7 %	97.7 %
Round 2022-3	1-2	97 %	-0.7 %	97.7 %

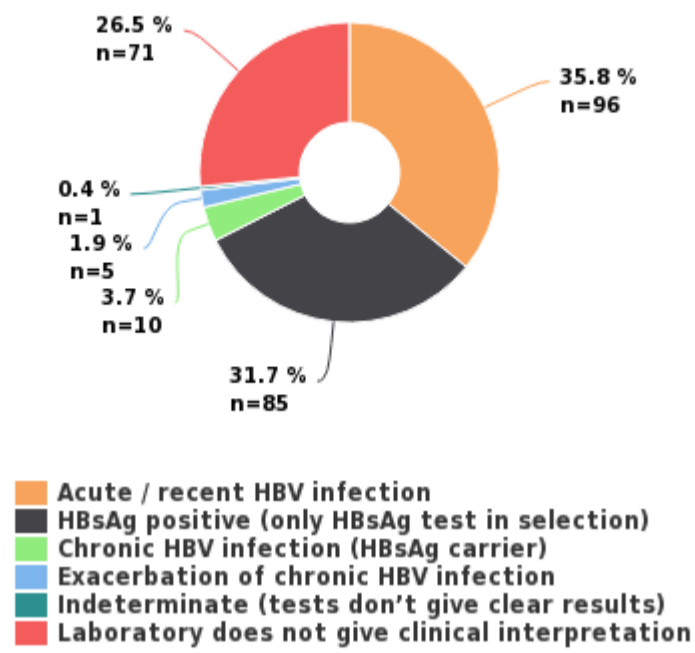
Specimen S001 Result 1

Specimen S001 success rate

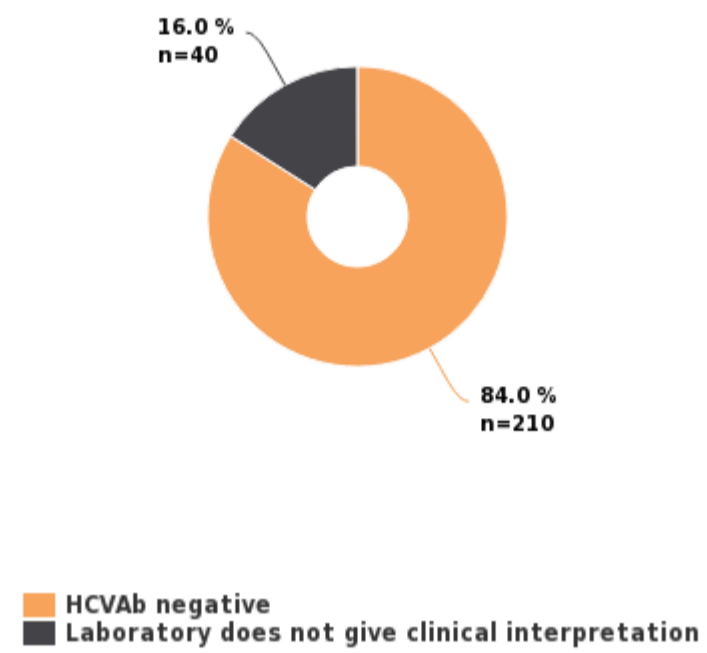


Specimen S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	0.5 %	99.5 %	268
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	122
	HBsAg	2	2	100 %	0.4 %	99.6 %	279
	HBsAgCt	2	2	100 %	0 %	100 %	45
	HBcAb	-	-	-	-	98.6 %	148
	HBeAb	-	-	-	-	96.9 %	98
	HBeAg	-	-	-	-	99 %	100
	HBcAbM	-	-	-	-	82.3 %	96
	HBsAb	2	2	100 %	3.6 %	96.4 %	138
	HCVAb	2	2	100 %	0.4 %	99.6 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		16	16	100 %	1.5 %	98.5 %	1832

Specimen S001 Clinical interpretation hepatitis B



Specimen S001 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Acute / recent HBV infection	96	-	-	-	-	100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Chronic HBV infection (HBsAg carrier)	10	-	-	-	-	100 %
Exacerbation of chronic HBV infection	5	-	-	-	-	100 %
Indeterminate (tests don't give clear results)	1	-	-	-	-	0 %
Laboratory does not give clinical interpretation	71	-	-	-	-	-
Total:	268	4	4	100 %	0.5 %	99.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-	-	-	-	-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	79	-	-	-	-	100 %
New sample is requested - for HBV testing	21	-	-	-	-	100 %
A second specimen is requested after 6 months - for HBV testing	19	-	-	-	-	100 %
Would be referred to another laboratory for further examination - HCV tests	3	-	-	-	-	-
Total:	122	-	-	-	-	100 %

OWN DEVICE: ARCHITECT CI8200

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-	-	-	-	0 %
	<input checked="" type="radio"/> Positive		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect HBsAg		39					
	Total:		279		2	2	100 %	0.4 %	99.6 %

OWN DEVICE: ARCHITECT CI8200

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Positive		45		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect HBsAg Qualitative II Confirmatory		6					
	Total:		45		2	2	100 %	0 %	100 %

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		2		-				0 %
	Positive		146		-				100 %
	Total:		148		-	-	-	-	98.6 %

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		95		-				100 %
	Positive		3		-				0 %
	Total:		98		-	-	-	-	96.9 %

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	Positive		99		-				100 %
	Total:		100		-	-	-	-	99 %

HBeAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		17		-				0 %
	Positive		79		-				100 %
	Total:		96		-	-	-	-	82.3 %

OWN DEVICE: ARCHITECT CI8200

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		133		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HBs		46					
	Borderline		1		-				0 %
	Positive		4		-				0 %
	Total:		138		2	2	100 %	3.6 %	96.4 %

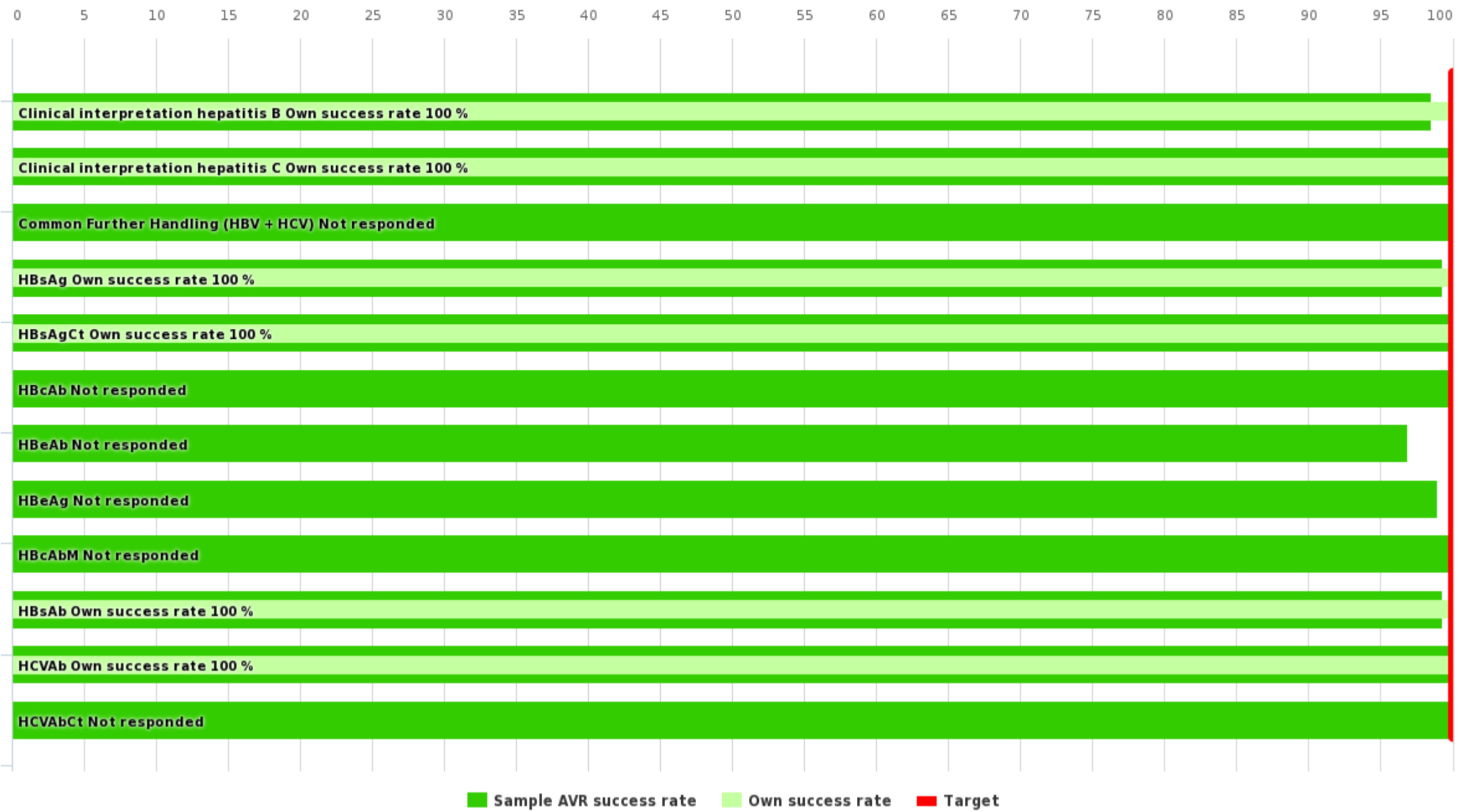
OWN DEVICE: ARCHITECT CI8200

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HCV		62					
	Positive		1		-				0 %
	Total:		278		2	2	100 %	0.4 %	99.6 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

Specimen S002 Result 1

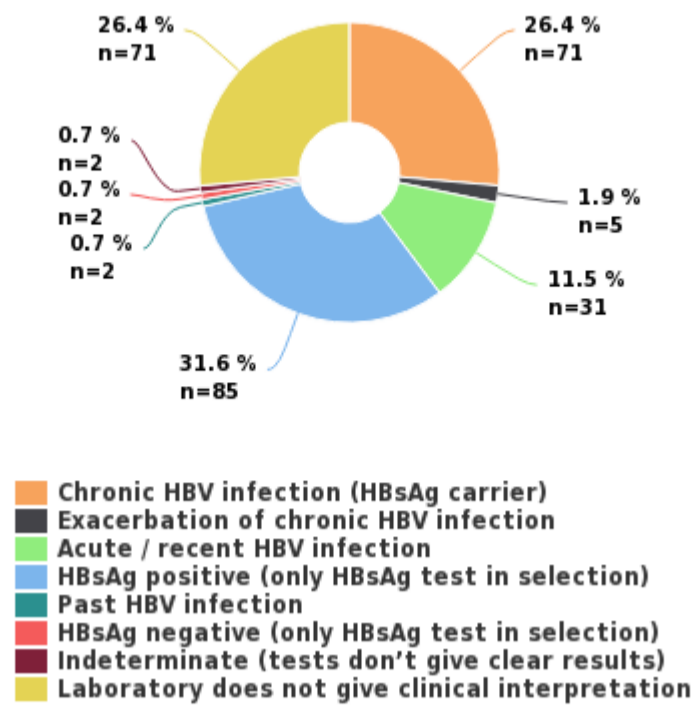
Specimen S002 success rate



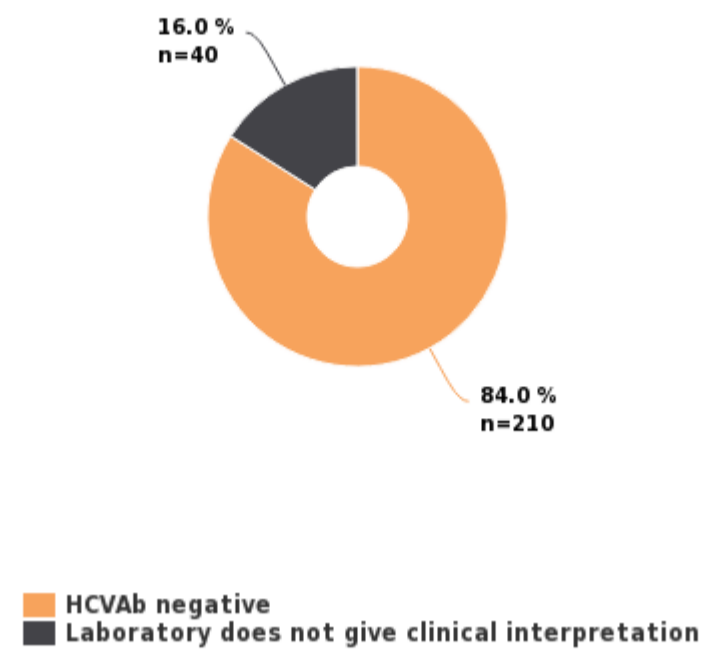
Specimen S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.5 %	98.5 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	113
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	2	2	100 %	0 %	100 %	45
	HBcAb	-	-	-	-	100 %	147
	HBeAb	-	-	-	-	96.9 %	98
	HBeAg	-	-	-	-	99 %	100
	HBcAbM	-	-	-	-	100 %	96
	HBsAb	2	2	100 %	0.7 %	99.3 %	138
	HCVAb	2	2	100 %	0 %	100 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		16	16	100 %	0.6 %	99.4 %	1823



Specimen S002 Clinical interpretation hepatitis B



Specimen S002 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Chronic HBV infection (HBsAg carrier)	71	-				100 %
Exacerbation of chronic HBV infection	5	-				100 %
Acute / recent HBV infection	31	-				100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Past HBV infection	2	-				0 %
HBsAg negative (only HBsAg test in selection)	2	-				0 %
Indeterminate (tests don't give clear results)	2	-				0 %
Laboratory does not give clinical interpretation	71	-				-
Total:	269	4	4	100 %	1.5 %	98.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-				-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	74	-				100 %
New sample is requested - for HBV testing	24	-				100 %
A second specimen is requested after 6 months - for HBV testing	15	-				100 %
Total:	113	-	-	-	-	100 %

OWN DEVICE: ARCHITECT CI8200

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect HBsAg		39					
	Test does not give a clear result		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

OWN DEVICE: ARCHITECT CI8200

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Positive		45		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect HBsAg Qualitative II Confirmatory		6					

Total:			45		2	2	100 %	0 %	100 %
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HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		147		-				100 %
	Total:		147		-	-	-	-	100 %

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	Positive		95		-				100 %
	Total:		98		-	-	-	-	96.9 %

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		99		-				100 %
	Positive		1		-				0 %
	Total:		100		-	-	-	-	99 %

HBeAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		96		-				100 %
	Total:		96		-	-	-	-	100 %

OWN DEVICE: ARCHITECT CI8200

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		137		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HBs		46					
	Positive		1		-				0 %
	Total:		138		2	2	100 %	0.7 %	99.3 %

OWN DEVICE: ARCHITECT CI8200

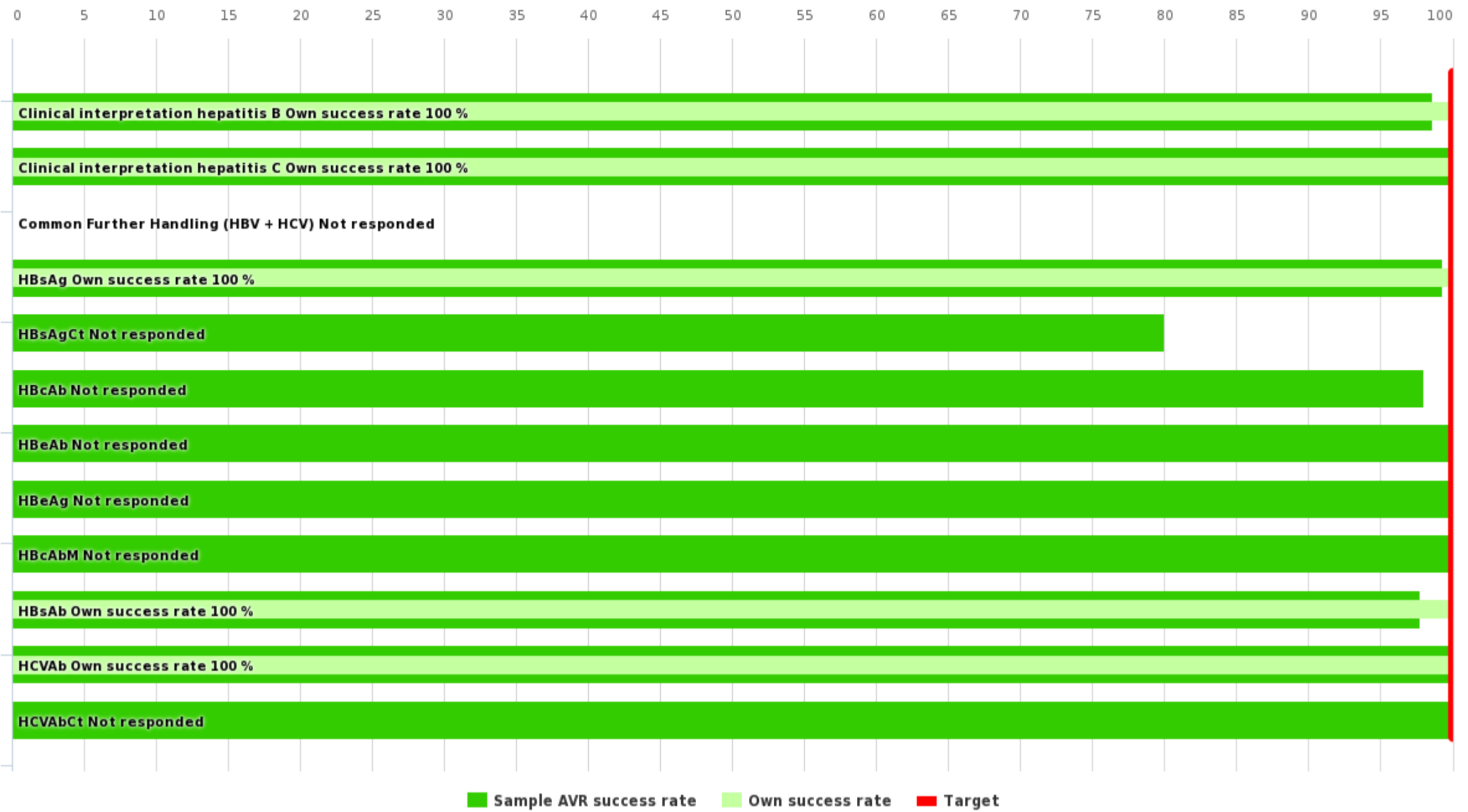
HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HCV		62					
	Total:		278		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %



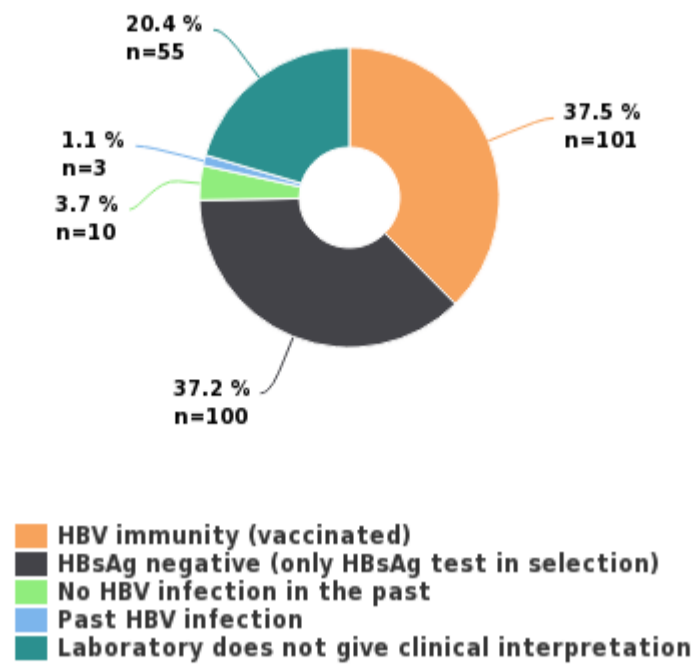
Specimen S003 Result 1

Specimen S003 success rate

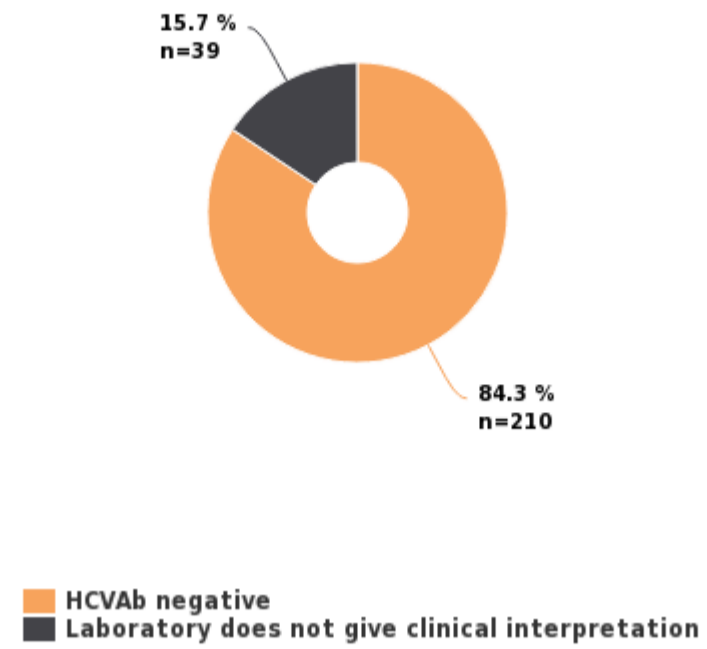


Specimen S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.4 %	98.6 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	249
	Common Further Handling (HBV + HCV)	-	-	-	-	-	15
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	-	-	-	-	80 %	5
	HBcAb	-	-	-	-	98 %	147
	HBeAb	-	-	-	-	100 %	97
	HBeAg	-	-	-	-	100 %	97
	HBcAbM	-	-	-	-	100 %	93
	HBsAb	2	2	100 %	2.2 %	97.8 %	138
	HCVAb	2	2	100 %	0 %	100 %	277
	HCVAbCt	-	-	-	-	100 %	10
Total:		14	14	100 %	0.8 %	99.2 %	1676

Specimen S003 Clinical interpretation hepatitis B



Specimen S003 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
HBV immunity (vaccinated)	101	-				100 %
<input checked="" type="radio"/> HBsAg negative (only HBsAg test in selection)	100	4	4	100 %	0 %	100 %
No HBV infection in the past	10	-				100 %
Past HBV infection	3	-				0 %
Laboratory does not give clinical interpretation	55	-				-
Total:	269	4	4	100 %	1.4 %	98.6 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	39	-				-
Total:	249	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	2	-				-
Would be referred to another laboratory for further examination - HCV tests	2	-				-
New sample is requested - for HCV testing	1	-				-
New sample is requested - for HBV testing	1	-				-
A second specimen is requested after 6 months - for HBV testing	9	-				-
Total:	15	-	-	-	-	-

OWN DEVICE: ARCHITECT CI8200

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect HBsAg		39					
	Borderline		1		-				0 %
	Positive		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		4		-				100 %
	Test does not give a clear result		1		-				0 %
	Total:		5		-	-	-	-	80 %

HBCAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		144		-				100 %
	Positive		3		-				0 %
	Total:		147		-	-	-	-	98 %

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		97		-				100 %
	Total:		97		-	-	-	-	100 %

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		97		-				100 %
	Total:		97		-	-	-	-	100 %

HBCAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		93		-				100 %
	Total:		93		-	-	-	-	100 %

OWN DEVICE: ARCHITECT CI8200

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	<input checked="" type="radio"/> Positive		135		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HBs		44					
	Total:		138		2	2	100 %	2.2 %	97.8 %

OWN DEVICE: ARCHITECT CI8200

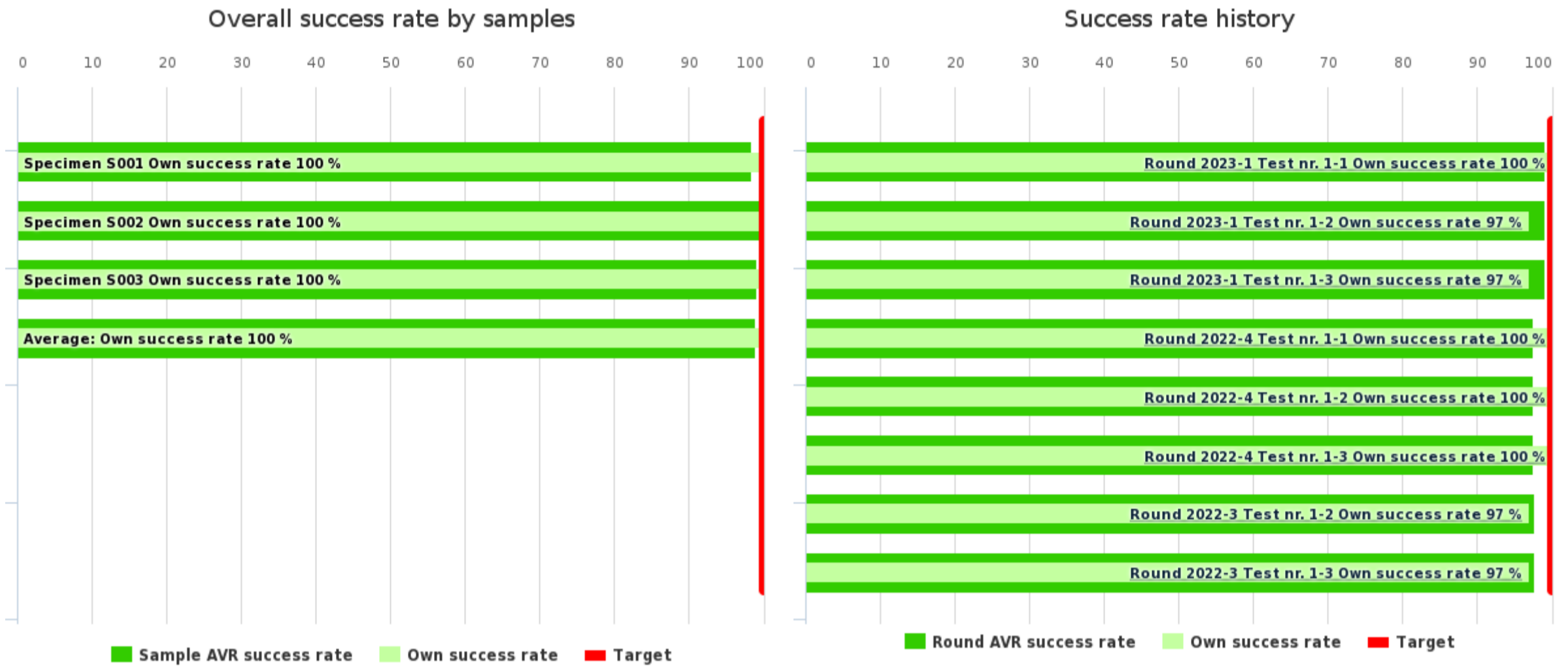
HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Architect Anti-HCV		63					
	Total:		277		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

Client report

	No of participants	No of responded participants	Response percentage
Hepatitis B and C, serology, specimen volume 0.6 mL, May, 2-2023	124	123	99.2 %
Hepatitis B and C, serology, specimen volume 1.2 mL, May, 2-2023	92	91	98.9 %
Hepatitis B and C, serology, specimen volume 2.0 mL, May, 2-2023	59	59	100 %

Summary Result 2

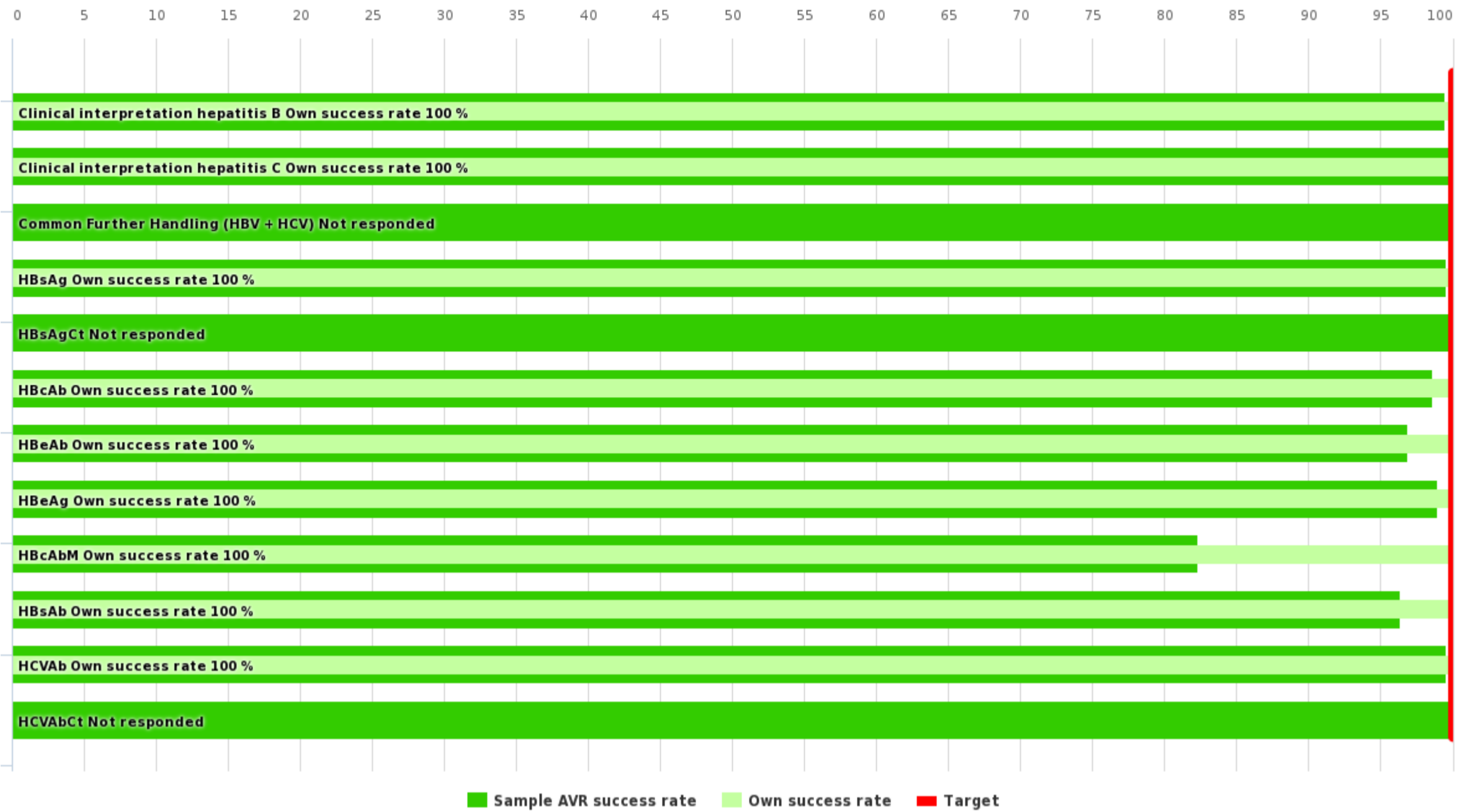


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Specimen S001	22	22	100 %	1.5 %	98.5 %
Specimen S002	22	22	100 %	0.6 %	99.4 %
Specimen S003	22	22	100 %	0.8 %	99.2 %
Average:			100 %	1 %	99 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2023-1	1-3	97 %	-2.2 %	99.2 %
Round 2023-1	1-2	97 %	-2.2 %	99.2 %
Round 2023-1	1-1	100 %	0.8 %	99.2 %
Round 2022-4	1-3	100 %	2.4 %	97.6 %
Round 2022-4	1-2	100 %	2.4 %	97.6 %
Round 2022-4	1-1	100 %	2.4 %	97.6 %
Round 2022-3	1-3	97 %	-0.7 %	97.7 %
Round 2022-3	1-2	97 %	-0.7 %	97.7 %

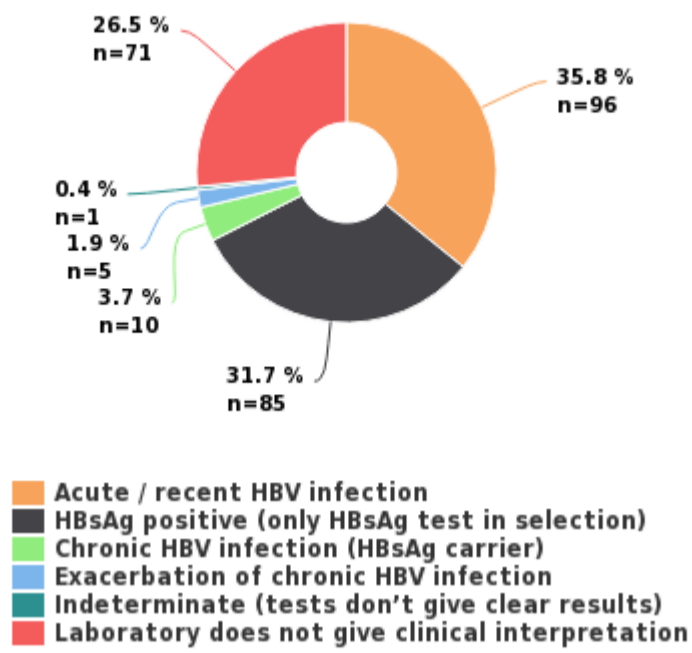
Specimen S001 Result 2

Specimen S001 success rate

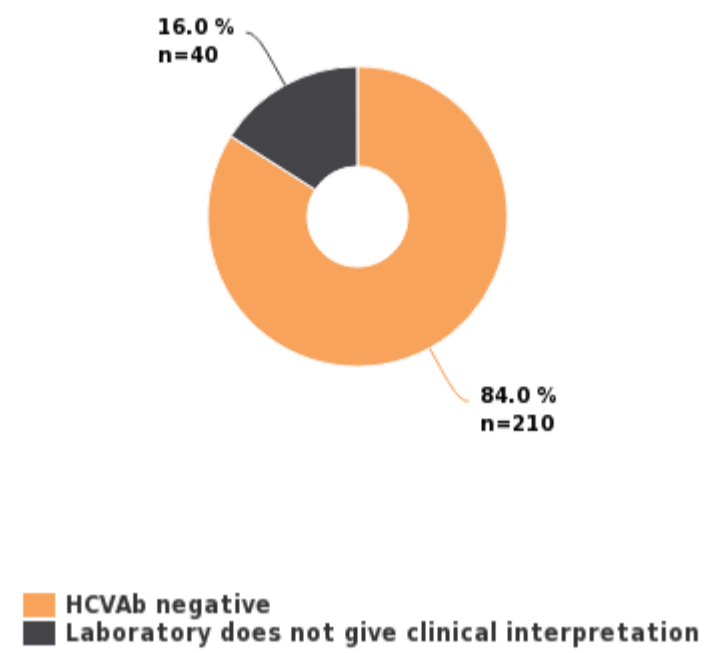


Specimen S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	0.5 %	99.5 %	268
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	122
	HBsAg	2	2	100 %	0.4 %	99.6 %	279
	HBsAgCt	-	-	-	-	100 %	45
	HBcAb	2	2	100 %	1.4 %	98.6 %	148
	HBeAb	2	2	100 %	3.1 %	96.9 %	98
	HBeAg	2	2	100 %	1 %	99 %	100
	HBcAbM	2	2	100 %	17.7 %	82.3 %	96
	HBsAb	2	2	100 %	3.6 %	96.4 %	138
	HCVAb	2	2	100 %	0.4 %	99.6 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	1.5 %	98.5 %	1832

Specimen S001 Clinical interpretation hepatitis B



Specimen S001 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Acute / recent HBV infection	96	-				100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Chronic HBV infection (HBsAg carrier)	10	-				100 %
Exacerbation of chronic HBV infection	5	-				100 %
Indeterminate (tests don't give clear results)	1	-				0 %
Laboratory does not give clinical interpretation	71	-				-
Total:	268	4	4	100 %	0.5 %	99.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-				-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	79	-				100 %
New sample is requested - for HBV testing	21	-				100 %
A second specimen is requested after 6 months - for HBV testing	19	-				100 %
Would be referred to another laboratory for further examination - HCV tests	3	-				-
Total:	122	-	-	-	-	100 %

OWN DEVICE: ALINITY A

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		46					
	Total:		279		2	2	100 %	0.4 %	99.6 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		45		-				100 %
	Total:		45		-	-	-	-	100 %

OWN DEVICE: ALINITY A



HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		2		-				0 %
	<input checked="" type="radio"/> Positive		146		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		33					
	Total:		148		2	2	100 %	1.4 %	98.6 %

OWN DEVICE: ALINITY A

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		95		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		22					
	Positive		3		-				0 %
	Total:		98		2	2	100 %	3.1 %	96.9 %

OWN DEVICE: ALINITY A

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		99		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		24					
	Total:		100		2	2	100 %	1 %	99 %

OWN DEVICE: ALINITY A

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		17		-				0 %
	<input checked="" type="radio"/> Positive		79		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		25					
	Total:		96		2	2	100 %	17.7 %	82.3 %

OWN DEVICE: ALINITY A

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		133		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		28					
	Borderline		1		-				0 %
	Positive		4		-				0 %
	Total:		138		2	2	100 %	3.6 %	96.4 %

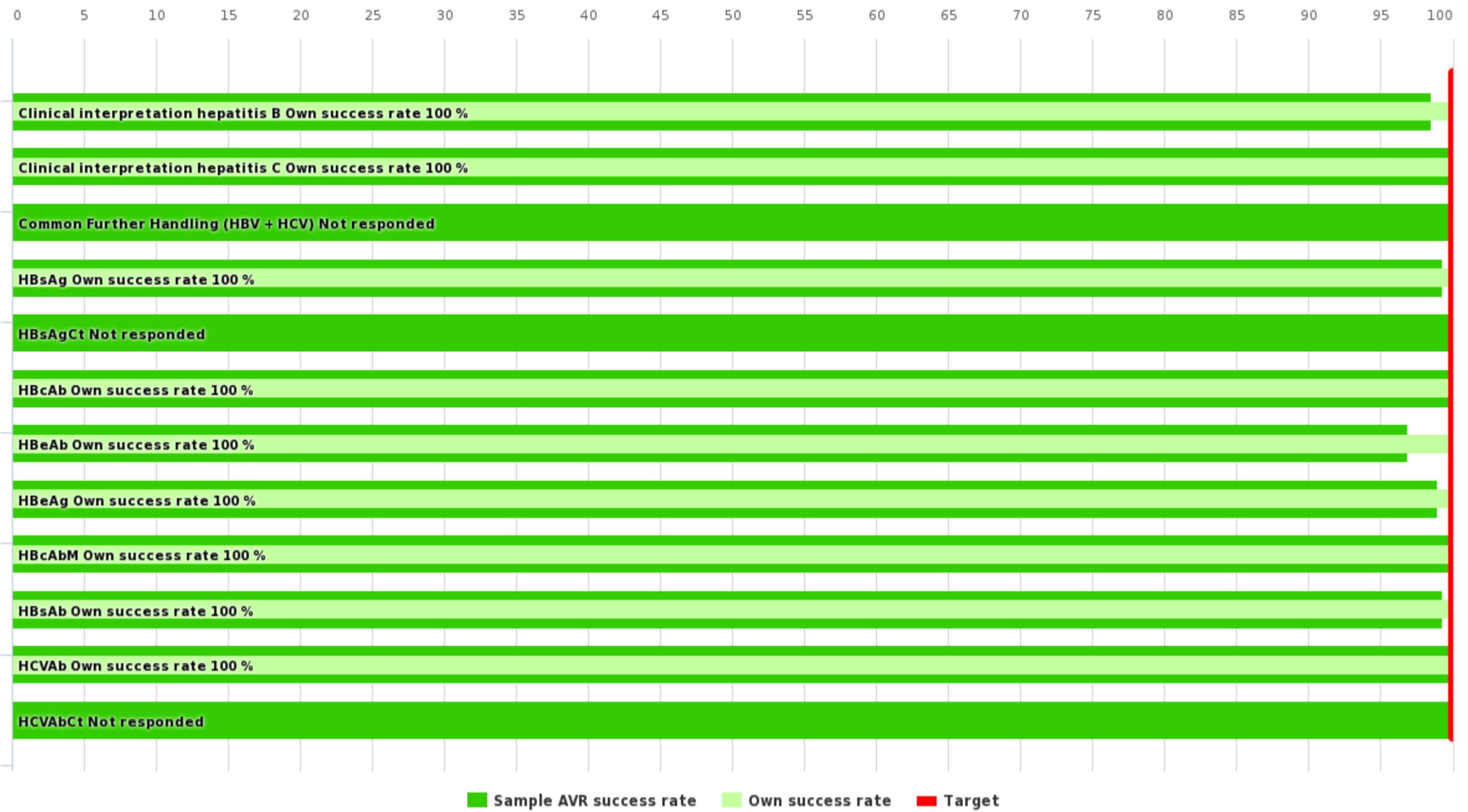
OWN DEVICE: ALINITY A

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		46					
	Positive		1		-				0 %
	Total:		278		2	2	100 %	0.4 %	99.6 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

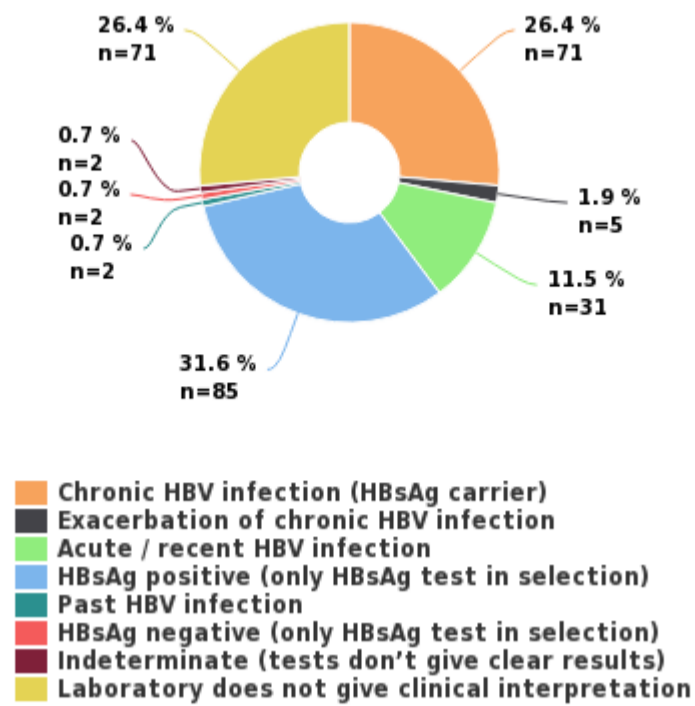
Specimen S002 Result 2

Specimen S002 success rate

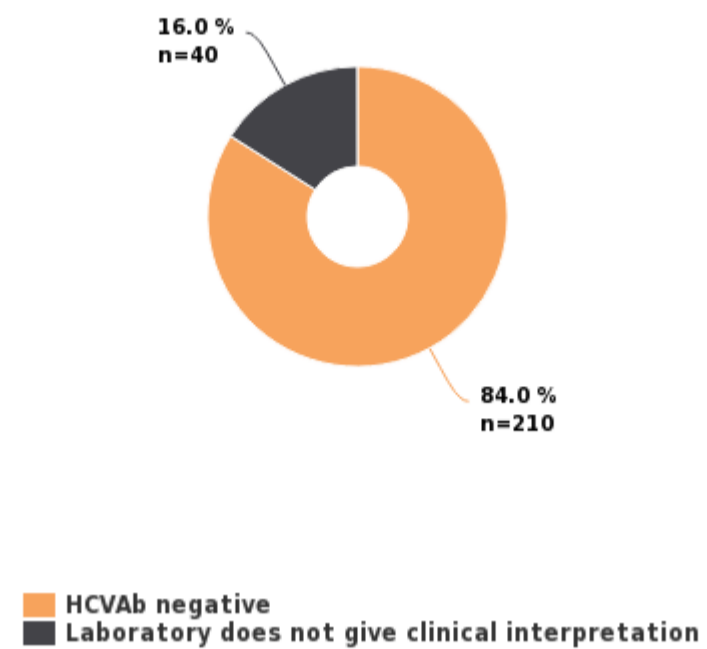


Specimen S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.5 %	98.5 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	113
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	-	-	-	-	100 %	45
	HBcAb	2	2	100 %	0 %	100 %	147
	HBeAb	2	2	100 %	3.1 %	96.9 %	98
	HBeAg	2	2	100 %	1 %	99 %	100
	HBcAbM	2	2	100 %	0 %	100 %	96
	HBsAb	2	2	100 %	0.7 %	99.3 %	138
	HCVAb	2	2	100 %	0 %	100 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	0.6 %	99.4 %	1823

Specimen S002 Clinical interpretation hepatitis B



Specimen S002 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Chronic HBV infection (HBsAg carrier)	71	-				100 %
Exacerbation of chronic HBV infection	5	-				100 %
Acute / recent HBV infection	31	-				100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Past HBV infection	2	-				0 %
HBsAg negative (only HBsAg test in selection)	2	-				0 %
Indeterminate (tests don't give clear results)	2	-				0 %
Laboratory does not give clinical interpretation	71	-				-
Total:	269	4	4	100 %	1.5 %	98.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-				-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	74	-				100 %
New sample is requested - for HBV testing	24	-				100 %
A second specimen is requested after 6 months - for HBV testing	15	-				100 %
Total:	113	-	-	-	-	100 %

OWN DEVICE: ALINITY A

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		46					
	Test does not give a clear result		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		45		-				100 %
	Total:		45		-	-	-	-	100 %

OWN DEVICE: ALINITY A

HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Positive		147		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		32					
	Total:		147		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY A

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	<input checked="" type="radio"/> Positive		95		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		22					
	Total:		98		2	2	100 %	3.1 %	96.9 %

OWN DEVICE: ALINITY A

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		99		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		24					
	Positive		1		-				0 %
	Total:		100		2	2	100 %	1 %	99 %

OWN DEVICE: ALINITY A

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		96		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		25					
	Total:		96		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY A

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		137		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		27					
	Positive		1		-				0 %
	Total:		138		2	2	100 %	0.7 %	99.3 %

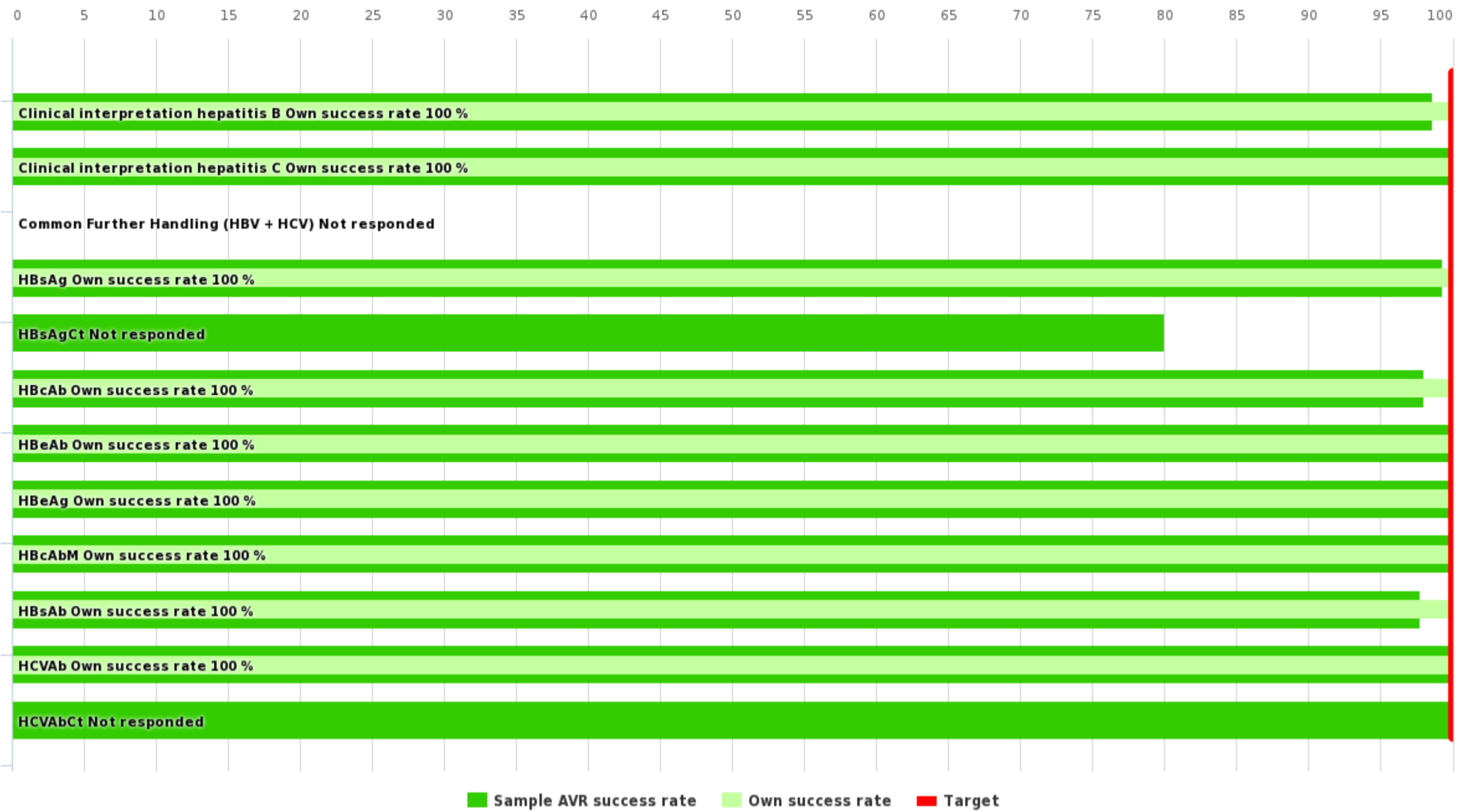
OWN DEVICE: ALINITY A

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		47					
	Total:		278		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

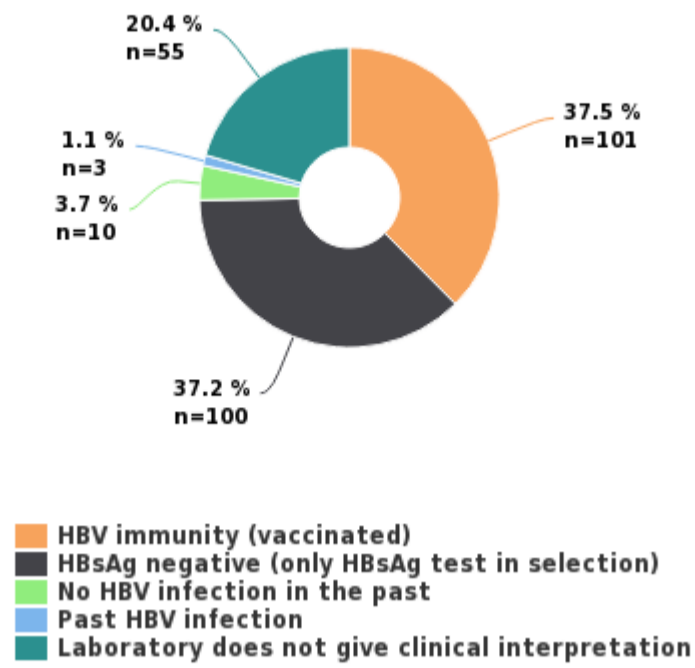
Specimen S003 Result 2

Specimen S003 success rate

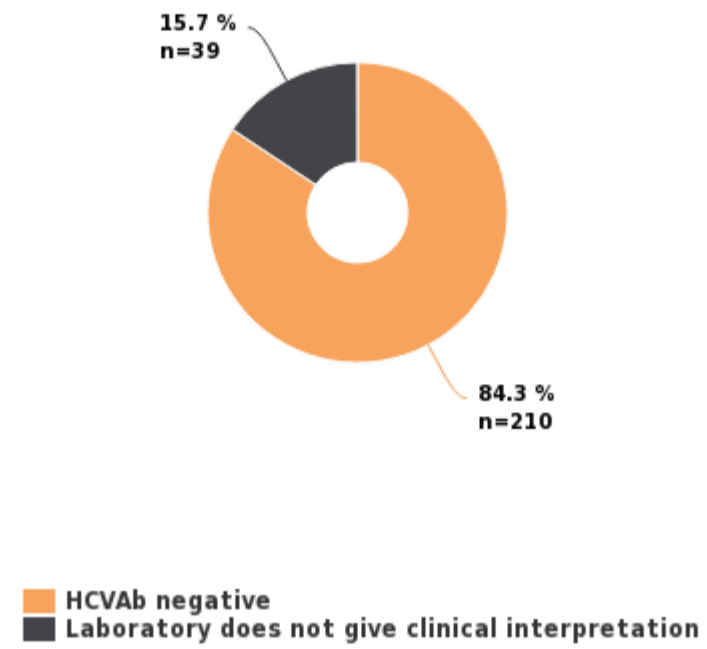


Specimen S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.4 %	98.6 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	249
	Common Further Handling (HBV + HCV)	-	-	-	-	-	15
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	-	-	-	-	80 %	5
	HBcAb	2	2	100 %	2 %	98 %	147
	HBeAb	2	2	100 %	0 %	100 %	97
	HBeAg	2	2	100 %	0 %	100 %	97
	HBcAbM	2	2	100 %	0 %	100 %	93
	HBsAb	2	2	100 %	2.2 %	97.8 %	138
	HCVAb	2	2	100 %	0 %	100 %	277
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	0.8 %	99.2 %	1676

Specimen S003 Clinical interpretation hepatitis B



Specimen S003 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
HBV immunity (vaccinated)	101	-				100 %
<input checked="" type="radio"/> HBsAg negative (only HBsAg test in selection)	100	4	4	100 %	0 %	100 %
No HBV infection in the past	10	-				100 %
Past HBV infection	3	-				0 %
Laboratory does not give clinical interpretation	55	-				-
Total:	269	4	4	100 %	1.4 %	98.6 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	39	-				-
Total:	249	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	2	-				-
Would be referred to another laboratory for further examination - HCV tests	2	-				-
New sample is requested - for HCV testing	1	-				-
New sample is requested - for HBV testing	1	-				-
A second specimen is requested after 6 months - for HBV testing	9	-				-
Total:	15	-	-	-	-	-

OWN DEVICE: ALINITY A

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		45					
	Borderline		1		-				0 %
	Positive		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		4		-				100 %
	Test does not give a clear result		1		-				0 %
	Total:		5		-	-	-	-	80 %

OWN DEVICE: ALINITY A



HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		144		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		32					
	Positive		3		-				0 %
	Total:		147		2	2	100 %	2 %	98 %

OWN DEVICE: ALINITY A

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		97		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		23					
	Total:		97		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY A

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		97		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		21					
	Total:		97		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY A

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		93		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		22					
	Total:		93		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY A

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	<input checked="" type="radio"/> Positive		135		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		28					
	Total:		138		2	2	100 %	2.2 %	97.8 %

OWN DEVICE: ALINITY A

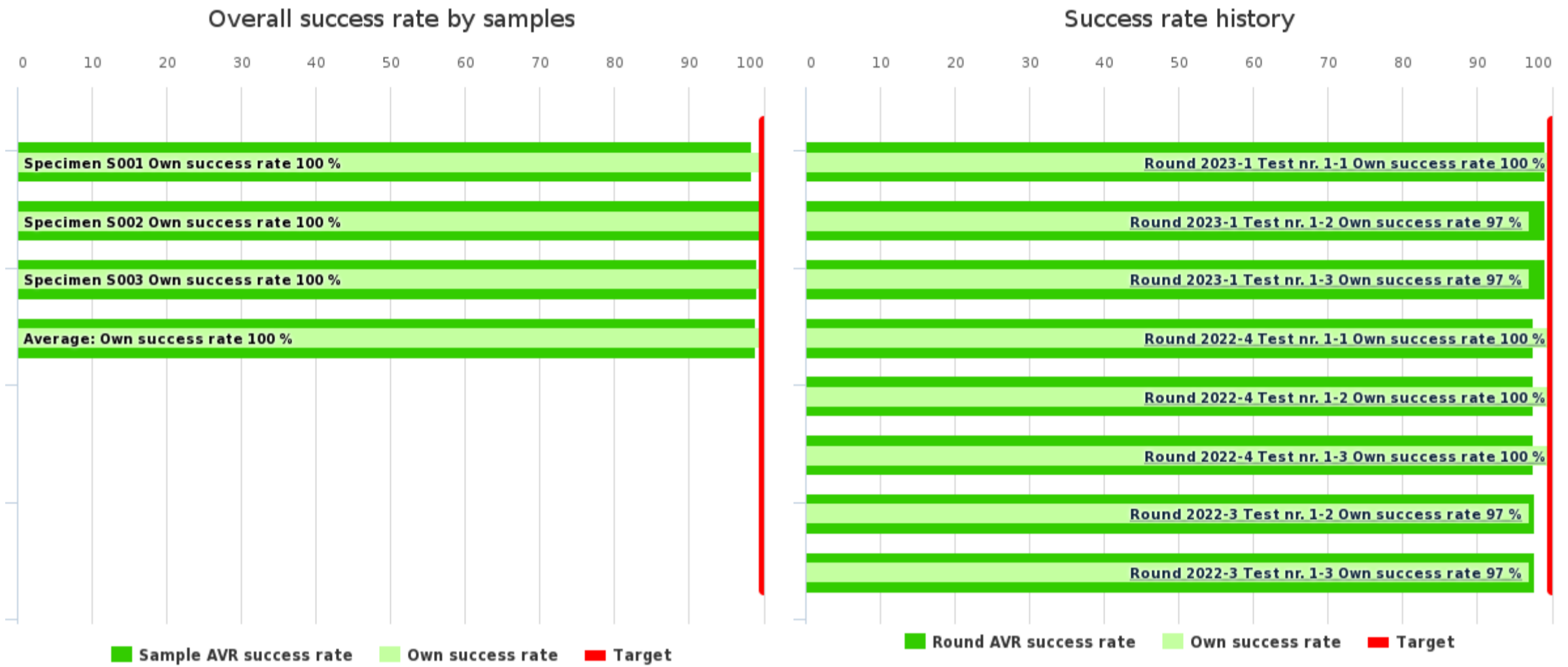
HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		46					
	Total:		277		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

Client report

	No of participants	No of responded participants	Response percentage
Hepatitis B and C, serology, specimen volume 0.6 mL, May, 2-2023	124	123	99.2 %
Hepatitis B and C, serology, specimen volume 1.2 mL, May, 2-2023	92	91	98.9 %
Hepatitis B and C, serology, specimen volume 2.0 mL, May, 2-2023	59	59	100 %

Summary Result 3

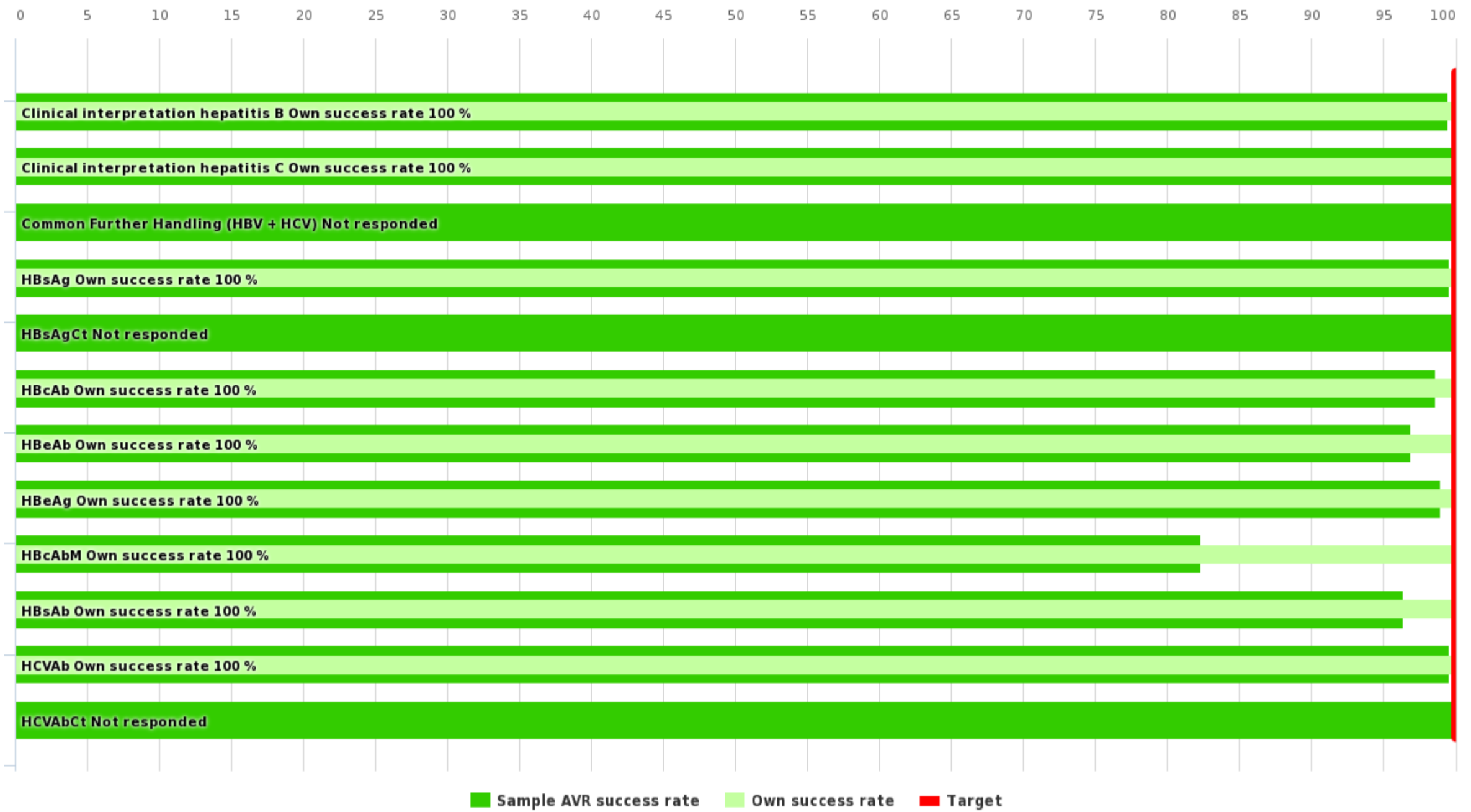


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Specimen S001	22	22	100 %	1.5 %	98.5 %
Specimen S002	22	22	100 %	0.6 %	99.4 %
Specimen S003	22	22	100 %	0.8 %	99.2 %
Average:			100 %	1 %	99 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2023-1	1-3	97 %	-2.2 %	99.2 %
Round 2023-1	1-2	97 %	-2.2 %	99.2 %
Round 2023-1	1-1	100 %	0.8 %	99.2 %
Round 2022-4	1-3	100 %	2.4 %	97.6 %
Round 2022-4	1-2	100 %	2.4 %	97.6 %
Round 2022-4	1-1	100 %	2.4 %	97.6 %
Round 2022-3	1-3	97 %	-0.7 %	97.7 %
Round 2022-3	1-2	97 %	-0.7 %	97.7 %

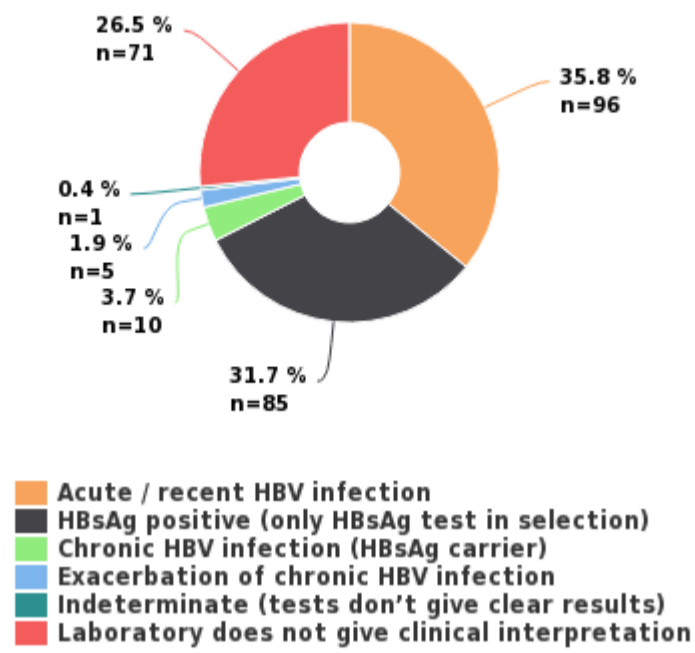
Specimen S001 Result 3

Specimen S001 success rate

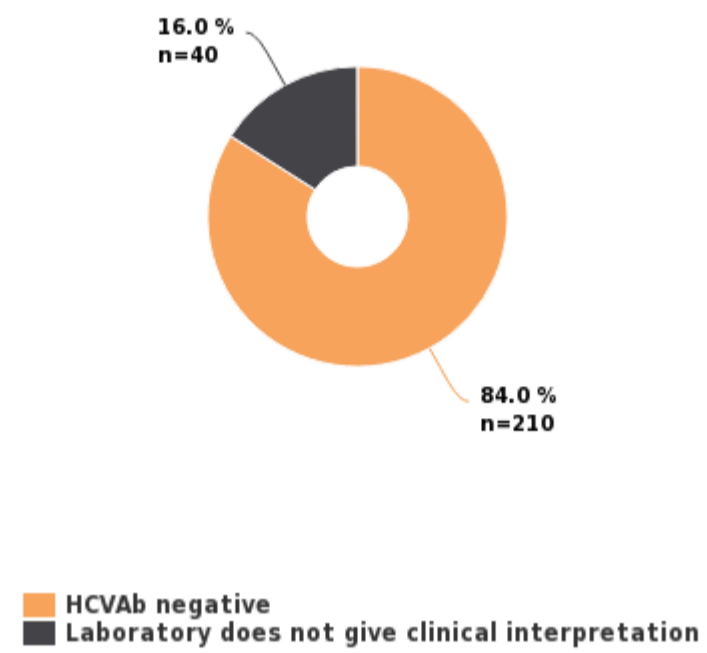


Specimen S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	0.5 %	99.5 %	268
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	122
	HBsAg	2	2	100 %	0.4 %	99.6 %	279
	HBsAgCt	-	-	-	-	100 %	45
	HBcAb	2	2	100 %	1.4 %	98.6 %	148
	HBeAb	2	2	100 %	3.1 %	96.9 %	98
	HBeAg	2	2	100 %	1 %	99 %	100
	HBcAbM	2	2	100 %	17.7 %	82.3 %	96
	HBsAb	2	2	100 %	3.6 %	96.4 %	138
	HCVAb	2	2	100 %	0.4 %	99.6 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	1.5 %	98.5 %	1832

Specimen S001 Clinical interpretation hepatitis B



Specimen S001 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Acute / recent HBV infection	96	-				100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Chronic HBV infection (HBsAg carrier)	10	-				100 %
Exacerbation of chronic HBV infection	5	-				100 %
Indeterminate (tests don't give clear results)	1	-				0 %
Laboratory does not give clinical interpretation	71	-				-
Total:	268	4	4	100 %	0.5 %	99.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-				-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	79	-				100 %
New sample is requested - for HBV testing	21	-				100 %
A second specimen is requested after 6 months - for HBV testing	19	-				100 %
Would be referred to another laboratory for further examination - HCV tests	3	-				-
Total:	122	-	-	-	-	100 %

OWN DEVICE: ALINITY B

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		46					
	Total:		279		2	2	100 %	0.4 %	99.6 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		45		-				100 %
	Total:		45		-	-	-	-	100 %

OWN DEVICE: ALINITY B

HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		2		-				0 %
	<input checked="" type="radio"/> Positive		146		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		33					
	Total:		148		2	2	100 %	1.4 %	98.6 %

OWN DEVICE: ALINITY B

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		95		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		22					
	Positive		3		-				0 %
	Total:		98		2	2	100 %	3.1 %	96.9 %

OWN DEVICE: ALINITY B

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		99		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		24					
	Total:		100		2	2	100 %	1 %	99 %

OWN DEVICE: ALINITY B

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		17		-				0 %
	<input checked="" type="radio"/> Positive		79		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		25					
	Total:		96		2	2	100 %	17.7 %	82.3 %

OWN DEVICE: ALINITY B

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		133		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		28					
	Borderline		1		-				0 %
	Positive		4		-				0 %
	Total:		138		2	2	100 %	3.6 %	96.4 %

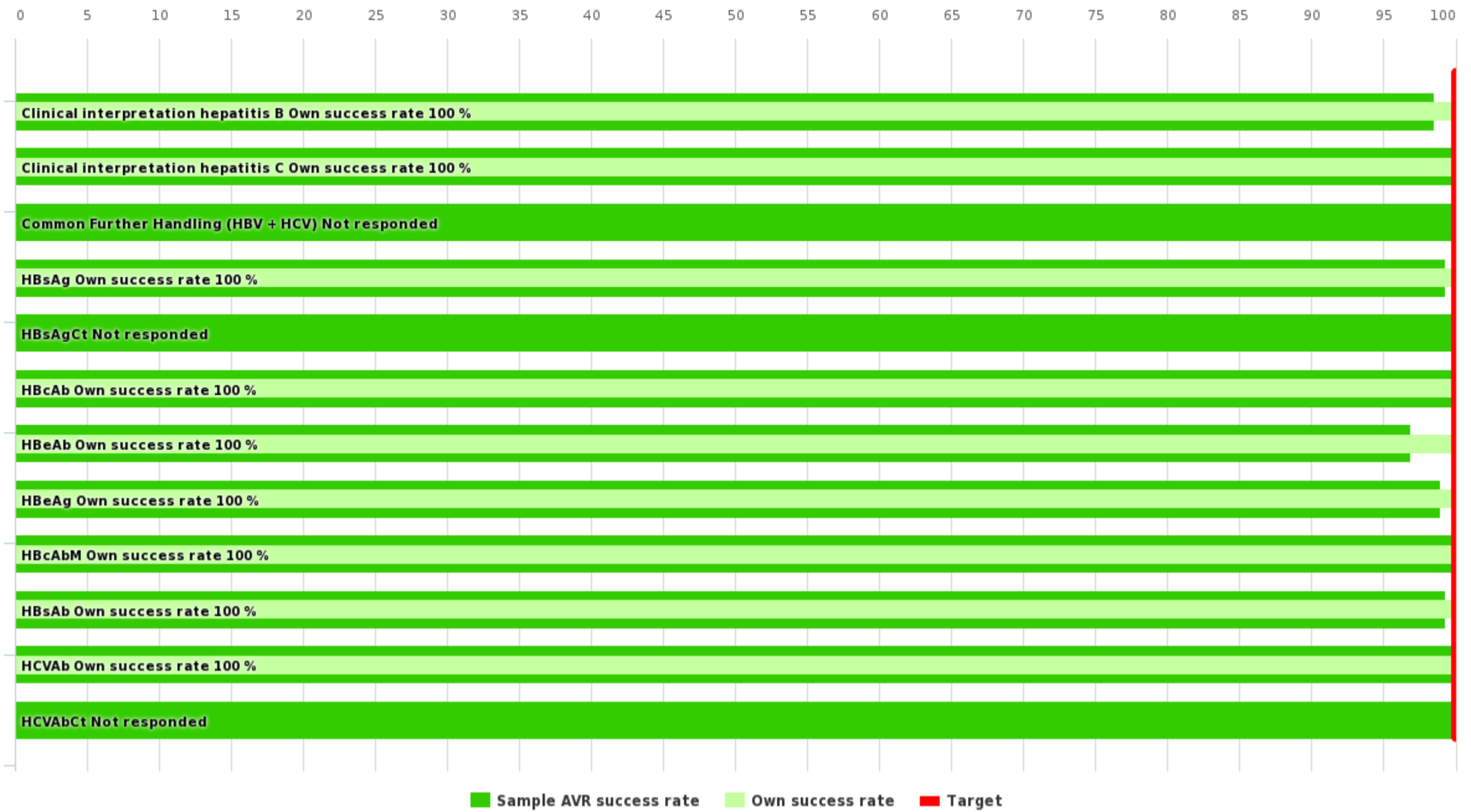
OWN DEVICE: ALINITY B

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		46					
	Positive		1		-				0 %
	Total:		278		2	2	100 %	0.4 %	99.6 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

Specimen S002 Result 3

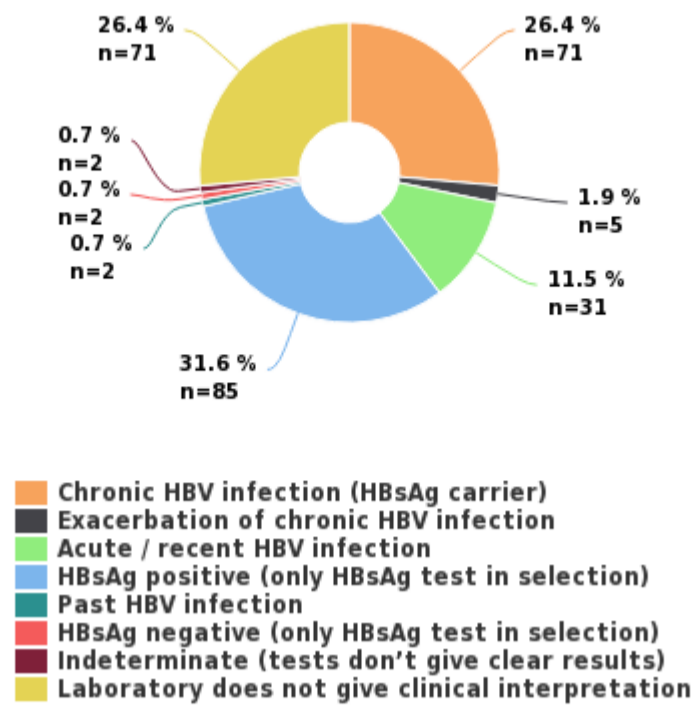
Specimen S002 success rate



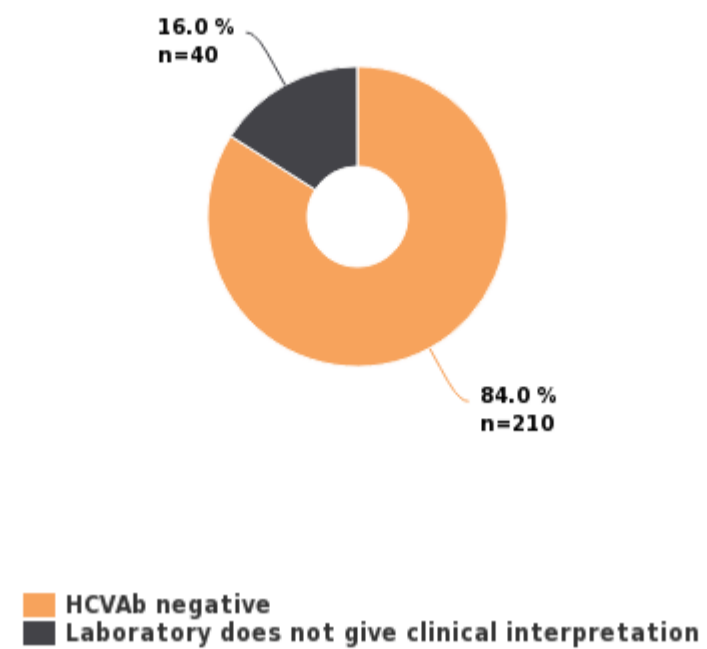
Specimen S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.5 %	98.5 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	250
	Common Further Handling (HBV + HCV)	-	-	-	-	100 %	113
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	-	-	-	-	100 %	45
	HBcAb	2	2	100 %	0 %	100 %	147
	HBeAb	2	2	100 %	3.1 %	96.9 %	98
	HBeAg	2	2	100 %	1 %	99 %	100
	HBcAbM	2	2	100 %	0 %	100 %	96
	HBsAb	2	2	100 %	0.7 %	99.3 %	138
	HCVAb	2	2	100 %	0 %	100 %	278
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	0.6 %	99.4 %	1823



Specimen S002 Clinical interpretation hepatitis B



Specimen S002 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Chronic HBV infection (HBsAg carrier)	71	-				100 %
Exacerbation of chronic HBV infection	5	-				100 %
Acute / recent HBV infection	31	-				100 %
<input checked="" type="radio"/> HBsAg positive (only HBsAg test in selection)	85	4	4	100 %	0 %	100 %
Past HBV infection	2	-				0 %
HBsAg negative (only HBsAg test in selection)	2	-				0 %
Indeterminate (tests don't give clear results)	2	-				0 %
Laboratory does not give clinical interpretation	71	-				-
Total:	269	4	4	100 %	1.5 %	98.5 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	40	-				-
Total:	250	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	74	-				100 %
New sample is requested - for HBV testing	24	-				100 %
A second specimen is requested after 6 months - for HBV testing	15	-				100 %
Total:	113	-	-	-	-	100 %

OWN DEVICE: ALINITY B

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		1		-				0 %
	<input checked="" type="radio"/> Positive		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		46					
	Test does not give a clear result		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		45		-				100 %
	Total:		45		-	-	-	-	100 %

OWN DEVICE: ALINITY B

HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Positive		147		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		32					
	Total:		147		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY B

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	<input checked="" type="radio"/> Positive		95		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		22					
	Total:		98		2	2	100 %	3.1 %	96.9 %

OWN DEVICE: ALINITY B

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		99		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		24					
	Positive		1		-				0 %
	Total:		100		2	2	100 %	1 %	99 %

OWN DEVICE: ALINITY B

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		96		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		25					
	Total:		96		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY B

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		137		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		27					
	Positive		1		-				0 %
	Total:		138		2	2	100 %	0.7 %	99.3 %

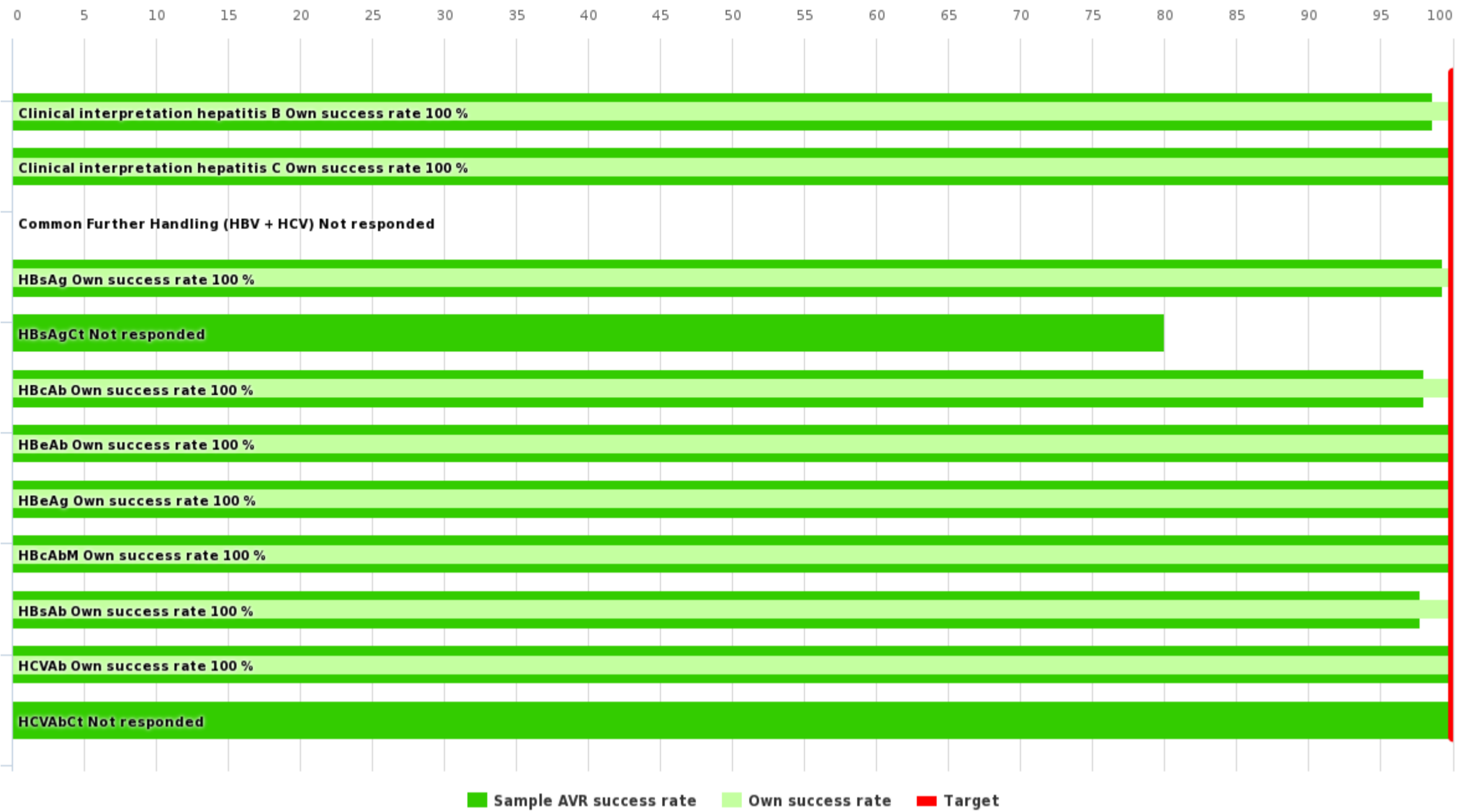
OWN DEVICE: ALINITY B

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		278		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		47					
	Total:		278		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

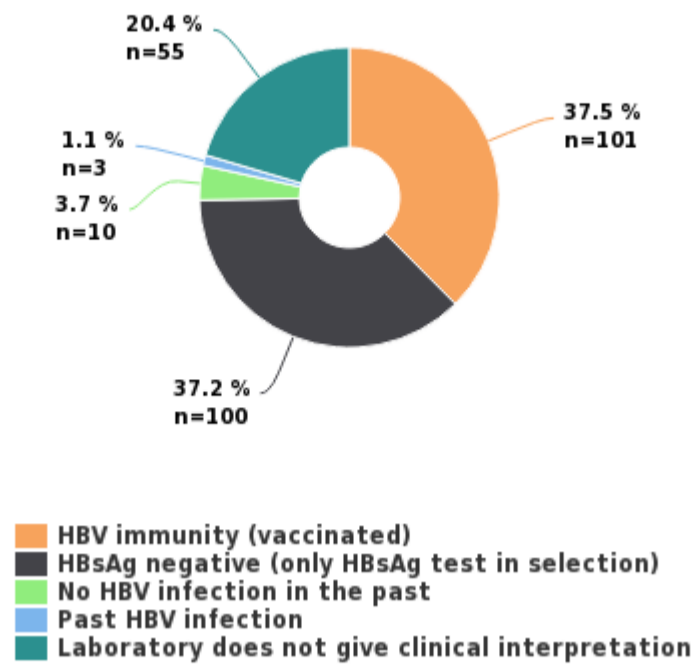
Specimen S003 Result 3

Specimen S003 success rate

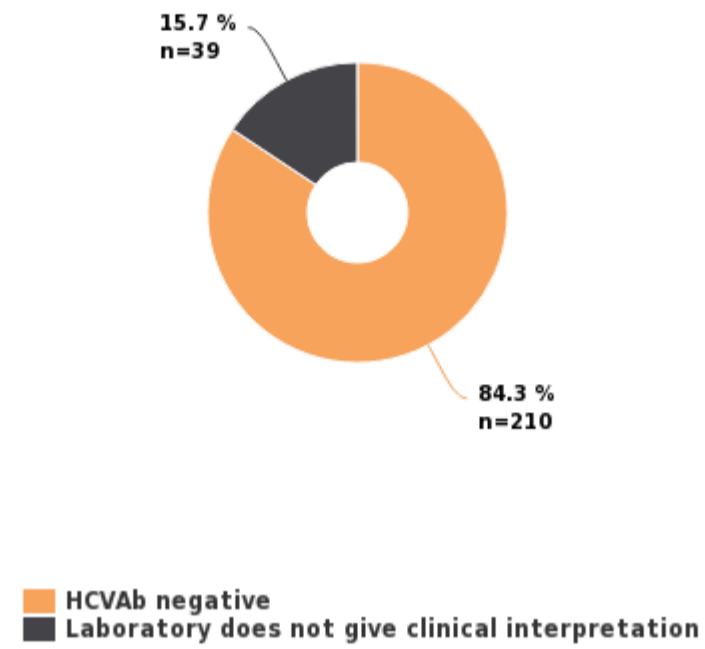


Specimen S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Clinical interpretation hepatitis B	4	4	100 %	1.4 %	98.6 %	269
	Clinical interpretation hepatitis C	4	4	100 %	0 %	100 %	249
	Common Further Handling (HBV + HCV)	-	-	-	-	-	15
	HBsAg	2	2	100 %	0.7 %	99.3 %	279
	HBsAgCt	-	-	-	-	80 %	5
	HBcAb	2	2	100 %	2 %	98 %	147
	HBeAb	2	2	100 %	0 %	100 %	97
	HBeAg	2	2	100 %	0 %	100 %	97
	HBcAbM	2	2	100 %	0 %	100 %	93
	HBsAb	2	2	100 %	2.2 %	97.8 %	138
	HCVAb	2	2	100 %	0 %	100 %	277
	HCVAbCt	-	-	-	-	100 %	10
Total:		22	22	100 %	0.8 %	99.2 %	1676

Specimen S003 Clinical interpretation hepatitis B



Specimen S003 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
HBV immunity (vaccinated)	101	-				100 %
<input checked="" type="radio"/> HBsAg negative (only HBsAg test in selection)	100	4	4	100 %	0 %	100 %
No HBV infection in the past	10	-				100 %
Past HBV infection	3	-				0 %
Laboratory does not give clinical interpretation	55	-				-
Total:	269	4	4	100 %	1.4 %	98.6 %

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
<input checked="" type="radio"/> HCVAb negative	210	4	4	100 %	0 %	100 %
Laboratory does not give clinical interpretation	39	-				-
Total:	249	4	4	100 %	0 %	100 %

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	Own score	Max score	Own success rate	Difference	AVR success rate
Would be referred to another laboratory for further examination - HBV tests	2	-				-
Would be referred to another laboratory for further examination - HCV tests	2	-				-
New sample is requested - for HCV testing	1	-				-
New sample is requested - for HBV testing	1	-				-
A second specimen is requested after 6 months - for HBV testing	9	-				-
Total:	15	-	-	-	-	-

OWN DEVICE: ALINITY B

HBsAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBsAg Qualitative II		45					
	Borderline		1		-				0 %
	Positive		1		-				0 %
	Total:		279		2	2	100 %	0.7 %	99.3 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		4		-				100 %
	Test does not give a clear result		1		-				0 %
	Total:		5		-	-	-	-	80 %

OWN DEVICE: ALINITY B

HBcAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		144		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc II		32					
	Positive		3		-				0 %
	Total:		147		2	2	100 %	2 %	98 %

OWN DEVICE: ALINITY B

HBeAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		97		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBe		23					
	Total:		97		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY B

HBeAg	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		97		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i HBeAg		21					
	Total:		97		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY B

HBcAbM	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		93		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBc IgM		22					
	Total:		93		2	2	100 %	0 %	100 %

OWN DEVICE: ALINITY B

HBsAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
	<input checked="" type="radio"/> Positive		135		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i Anti-HBs		28					
	Total:		138		2	2	100 %	2.2 %	97.8 %

OWN DEVICE: ALINITY B

HCVAb	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		277		2	2	100 %	0 %	100 %
		<input checked="" type="radio"/> Abbott Alinity i anti-HCV		46					
	Total:		277		2	2	100 %	0 %	100 %

HCVAbCt	Interpretation	Test	Interpretation count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
	Total:		10		-	-	-	-	100 %

**Report Info****PARTICIPANTS**

Altogether 275 laboratories from 25 countries participated in this EQA round.

**REPORT INFO**

The results are divided into groups according to the method stated by the laboratory and presented in laboratory-specific tables. Accepted results are marked with green color and laboratory's own result with a black radio button . In the scoring report you will find summaries of overall success rate and sample specific success rates (%). Sample specific interpretations are shown in pie diagrams as percentages and the total interpretation and methodic counts in the tables. If you have not reported any results you will get a note: "You have not responded in time, only global report is available."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

**SCORING**

The round is scored based on test results and clinical interpretations when 60% or more of the participants report the expected result and when at least three results are reported.

The following general rules are applied:

Correct/expected test result 2/2 points  
False/deviating test result 0/2 points  
Correct/expected clinical interpretation 4/4 points  
False/deviating clinical interpretation 0/4 points  
Further actions for positive samples 1/1 points

The performance of the laboratory is assessed by the Own success rate (%). The target is 100%. The examination-specific scores obtained by the laboratory in the round are converted to Own success rate per sample (scores/maximum scores\*100). The Laboratory's Own success rate is the average of the sample success rates.

The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores\*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

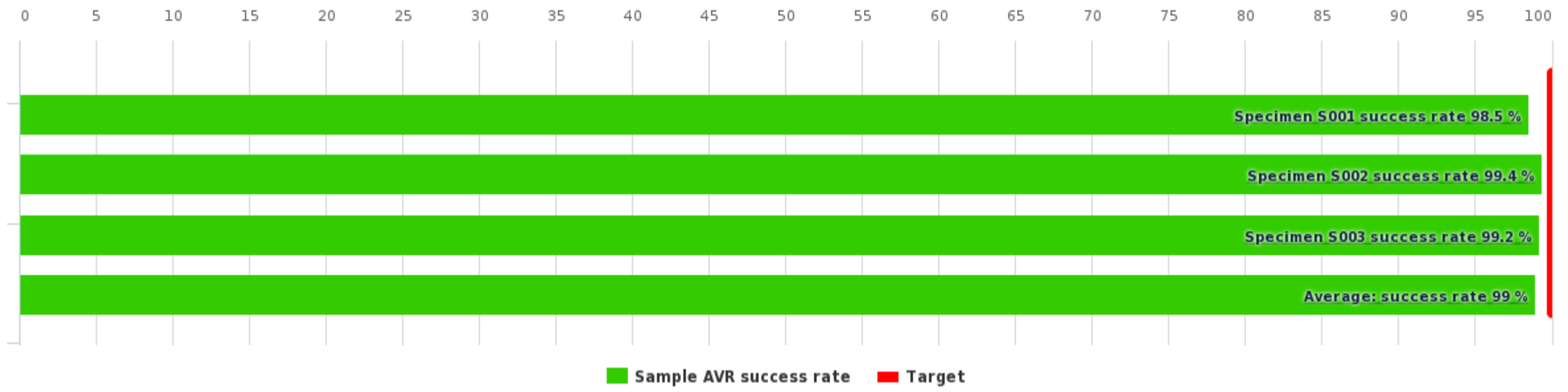


GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Hepatitis B and C, serology, specimen volume 0.6 mL, May, 2-2023	124	123	99.2 %
Hepatitis B and C, serology, specimen volume 1.2 mL, May, 2-2023	92	91	98.9 %
Hepatitis B and C, serology, specimen volume 2.0 mL, May, 2-2023	59	59	100 %

Summary

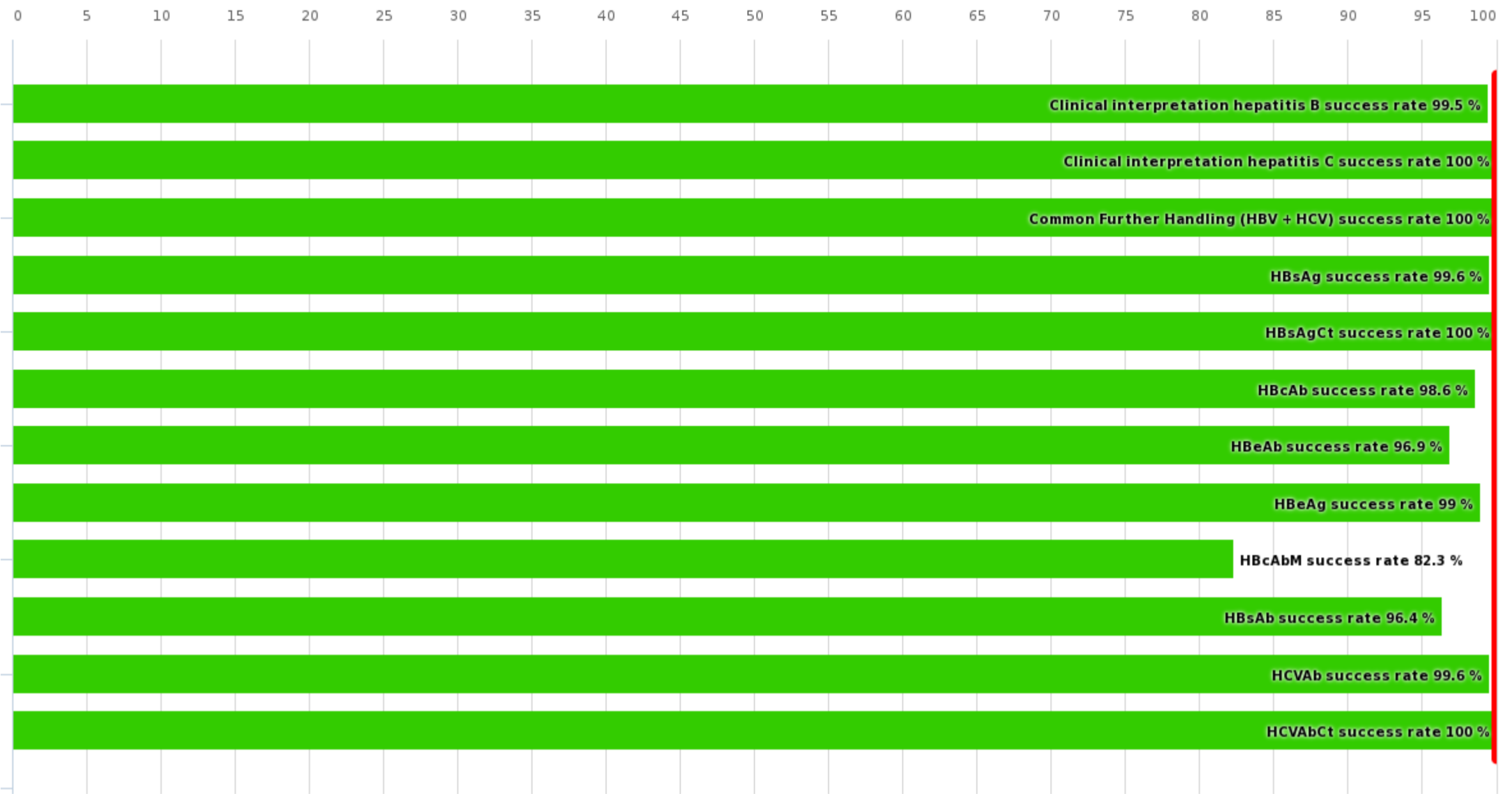
Overall success rate by samples



Summary	AVR success rate
Specimen S001	98.5 %
Specimen S002	99.4 %
Specimen S003	99.2 %
Average:	99 %

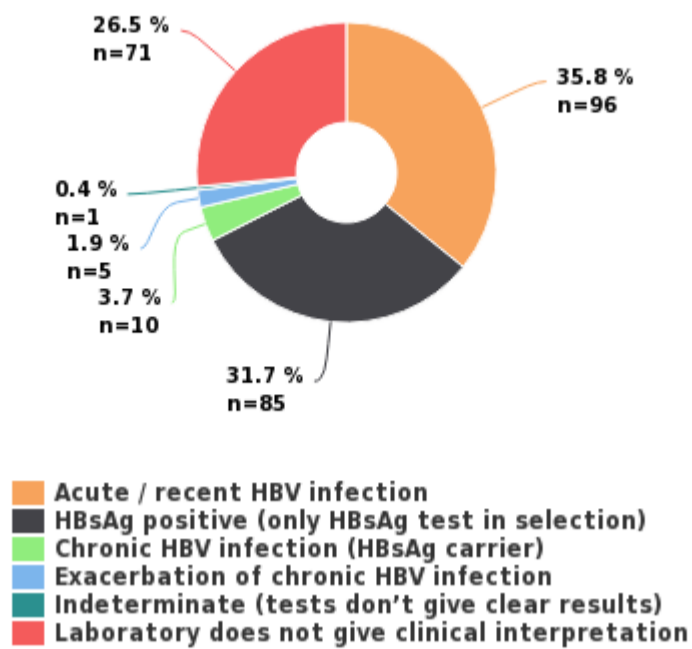
Specimen S001

Specimen S001 success rate

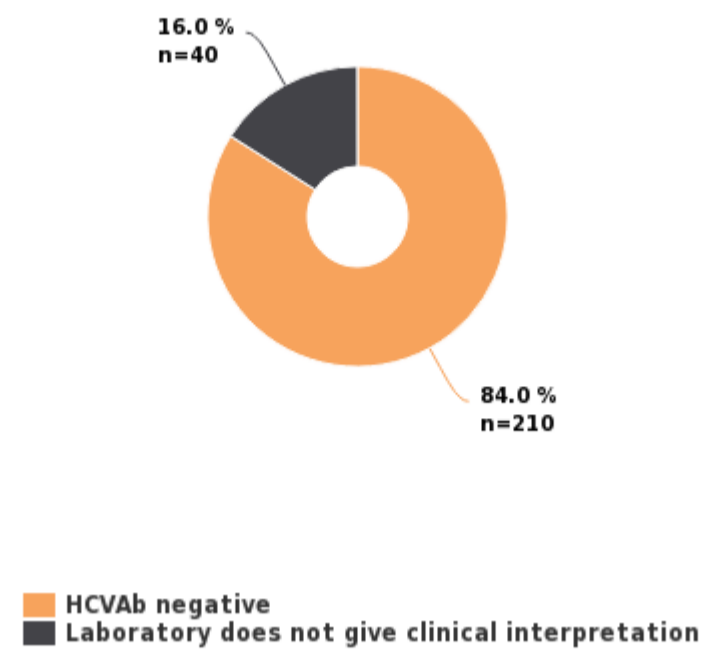


Specimen S001 results	Responded	AVR success rate	Count
	Clinical interpretation hepatitis B	99.5 %	268
	Clinical interpretation hepatitis C	100 %	250
	Common Further Handling (HBV + HCV)	100 %	122
	HBsAg	99.6 %	279
	HBsAgCt	100 %	45
	HBcAb	98.6 %	148
	HBeAb	96.9 %	98
	HBeAg	99 %	100
	HBcAbM	82.3 %	96
	HBsAb	96.4 %	138
	HCVAb	99.6 %	278
	HCVAbCt	100 %	10
Total:		98.5 %	1832

Specimen S001 Clinical interpretation hepatitis B



Specimen S001 Clinical interpretation hepatitis C



### CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Acute / recent HBV infection	96	100 %	4
HBsAg positive (only HBsAg test in selection)	85	100 %	4
Chronic HBV infection (HBsAg carrier)	10	100 %	4
Exacerbation of chronic HBV infection	5	100 %	4
Indeterminate (tests don't give clear results)	1	0 %	0
Laboratory does not give clinical interpretation	71	-	-
Total:	268	99.5 %	

### CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	AVR success rate	Interpretation Score
HCVAb negative	210	100 %	4
Laboratory does not give clinical interpretation	40	-	-
Total:	250	100 %	

### COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Would be referred to another laboratory for further examination - HBV tests	79	100 %	1
New sample is requested - for HBV testing	21	100 %	1
A second specimen is requested after 6 months - for HBV testing	19	100 %	1
Would be referred to another laboratory for further examination - HCV tests	3	-	-
Total:	122	100 %	

HBsAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Abbott Architect HBsAg Qualitative II		1		
	Positive		278		100 %	2
		Abbott Alinity i HBsAg Qualitative II		46		
		Abbott Architect HBsAg		39		
		Abbott Architect HBsAg Qualitative II		24		
		ABON HBsAg Rapid Test		1		
		Beckman Coulter Access HBsAg		4		
		Bio-Rad Monolisa HBsAg ULTRA		1		
		bioMerieux Vidas HBs Ag Ultra		16		
		bioMerieux VIKIA HBs Ag		1		
		DIALAB HBsAg Sensitive		1		
		Diasorin Liaison XL murex HBsAg Quant		5		
		Diasorin Murex HBsAg		3		
		Ortho Vitros HBsAg ES		3		
		Roche cobas/Elecsys HBsAg II		100		
		Roche cobas/Elecsys HBsAg II quant		3		
		Siemens Advia Centaur HBsAg		9		

		Siemens Atellica HBsAg II		9		
		Snibe Maglumi HBsAg		1		
		Türklab HBsAg Test cassette (Info, Labmen, Rapidan test, TOYO)		12		
	Total:			279		99.6 %

HBsAgCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Positive		45		100 %	2
		Abbott Alinity i HBsAg Qualitative II Confirmatory		7		
		Abbott Architect HBsAg Confirmatory		3		
		Abbott Architect HBsAg Qualitative II Confirmatory		6		
		bioMerieux Vidas HBs Ag Ultra Confirmation		1		
		Diasorin Liaison HBsAg Confirmatory Test		2		
		Diasorin Murex HBsAg Confirmatory		1		
		Roche cobas/Elecsys HBsAg Confirmatory		22		
		Siemens Advia Centaur HBsAg Confirmatory		3		
	Total:		45		100 %	

HbCAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		2		0 %	0
		Abbott Architect Anti-HB II		1		
		bioMerieux bioMerieux Vidas Anti-HBc Total		1		
	Positive		146		100 %	2
		Abbott Alinity i Anti-HBc II		33		
		Abbott Architect Anti-HB		29		
		Abbott Architect Anti-HB II		19		
		Beckman Coulter Access HBcAb		1		
		bioMerieux bioMerieux Vidas Anti-HBc Total		5		
		Diasorin Liaison Anti-HBc		7		
		Diasorin Murex anti-HBc (total)		2		
		Ortho Vitros Anti-HBc		2		
		Roche cobas/Elecsys Anti-HBc II		35		
		Siemens Advia Centaur Anti-HBc Total		5		
		Siemens Atellica HBc Total		7		
		Siemens Immulite Anti-HBc		1		
	Total:		148		98.6 %	

HBeAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		95		100 %	2
		Abbott Alinity i Anti-HBe		22		
		Abbott Architect Anti-HBe		34		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison Anti-HBe		3		
		Ortho Vitros Anti-HBe		2		
		Roche cobas/Elecsys Anti-HBe		19		
		Siemens Advia Centaur Anti-HBe		3		
		Siemens Atellica Anti-HBe		6		
	Positive		3		0 %	0
		Abbott Alinity i Anti-HBe		1		
		Abbott Architect Anti-HBe		1		
		Roche cobas/Elecsys Anti-HBe		1		
	Total:		98		96.9 %	

HBeAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Abbott Architect HBeAg		1		
	Positive		99		100 %	2
		Abbott Alinity i HBeAg		24		
		Abbott Architect HBeAg		35		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison HBeAg		3		
		Ortho Vitros HBeAg		2		

	Roche cobas/Elecsys HBeAg	18	
	Siemens Advia Centaur HBeAg	3	
	Siemens Atellica HBeAg	8	
Total:		100	99 %

HBCAbM	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		17		0 %	0
		Abbott Architect Anti-HB-IgM		1		
		Ortho Vitros Anti-HBc IgM		2		
		Roche cobas/Elecsys Anti-HBc IgM		14		
	Positive		79		100 %	2
		Abbott Alinity i Anti-HBc IgM		25		
		Abbott Architect Anti-HB-IgM		32		
		bioMerieux Vidas HBc IgM		4		
		Dia.Pro Diagnostics HBc IgM		3		
		Diasorin Liaison HBc IgM		4		
		Roche cobas/Elecsys Anti-HBc IgM		1		
		Siemens Advia Centaur Anti-HBc IgM		3		
		Siemens Atellica HBc IgM		7		
Total:			96		82.3 %	

HBsAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		133		100 %	2
		Abbott Alinity i Anti-HBs		28		
		Abbott Architect Anti-HBs		46		
		Beckman Coulter Access HBsAb		1		
		Bio-Rad Monolisa Anti-HBs		1		
		bioMerieux Vidas Anti HBs Total		3		
		Diasorin ETI-AB-AUK-3 (anti-HBs)		1		
		Diasorin Liaison Anti-HBs		1		
		Diasorin Liaison XL murex Anti-HBs		2		
		Ortho Vitros Anti-HBs		3		
		Roche cobas/Elecsys Anti-HBs II		33		
		Siemens Advia Centaur Anti-HBs		4		
		Siemens Atellica anti-HBS 2		7		
		Siemens Immulite Anti-HBs		3		
	Borderline		1		0 %	0
		Siemens Atellica anti-HBS 2		1		
	Positive		4		0 %	0
		bioMerieux Vidas Anti HBs Total		1		
		Roche cobas/Elecsys Anti-HBs II		1		
		Siemens Advia Centaur Anti-HBs		1		
		Siemens Atellica anti-HBS 2		1		
Total:			138		96.4 %	

HCVAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		277		100 %	2
		Abbott Alinity i anti-HCV		46		
		Abbott Architect Anti-HCV		62		
		ABON HCV Rapid Test		1		
		Beckman Coulter Access HCVAb		5		
		Bio-Rad Monolisa HCV Ag-Ab		2		
		bioMerieux Vidas Anti-HCV		16		
		DIALAB HCV Ab Sensitive		2		
		Diasorin LIAISON XL murex HCV Ab		4		
		Diasorin Murex anti-HCV		2		
		DIAsource Anti-HCV ELISA V 4.0		1		
		Healgen Hepatitis C Antibody Rapid Test		1		
		OraQuick HCV		12		
		Ortho Vitros Anti-HCV		3		
		Roche cobas/Elecsys Anti-HCV II		85		
		Siemens Advia Centaur HCV		8		
		Siemens Atellica HCV		12		

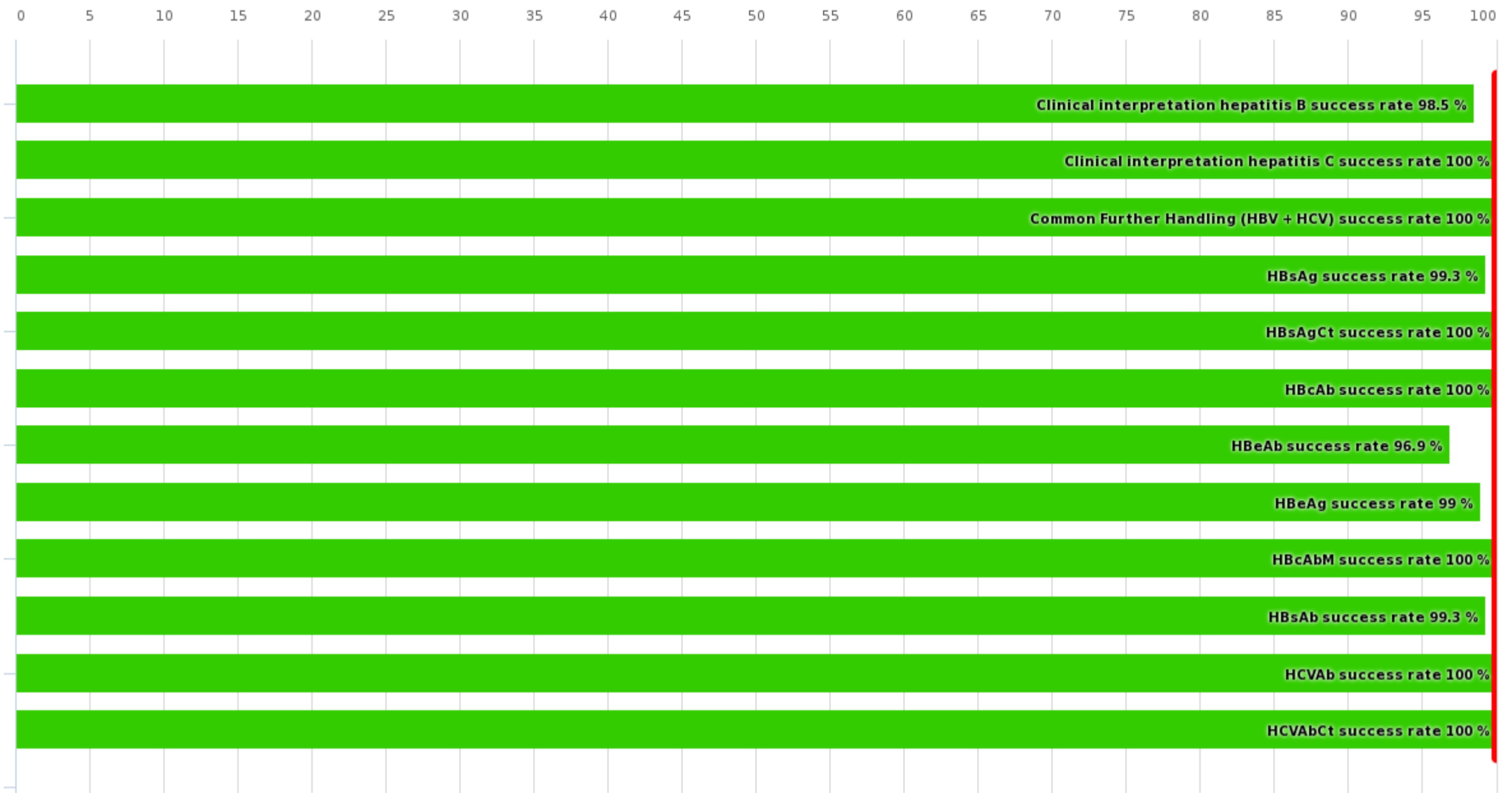
		Snibe Maglumi Anti-HCV (CLIA)		1		
		Türklab anti-HCV TEST (Info, Labmen, Rapidan test, TOYO)		14		
	Positive		1		0 %	0
		Abbott Alinity i anti-HCV		1		
	Total:		278		99.6 %	

HCVAbCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		10		100 %	2
		Abbott Architect Anti-HCV		1		
		Fujirebio INNO-LIA HCV Score		8		
		Mikrogen recomLine HCV IgG		1		
	Total:		10		100 %	



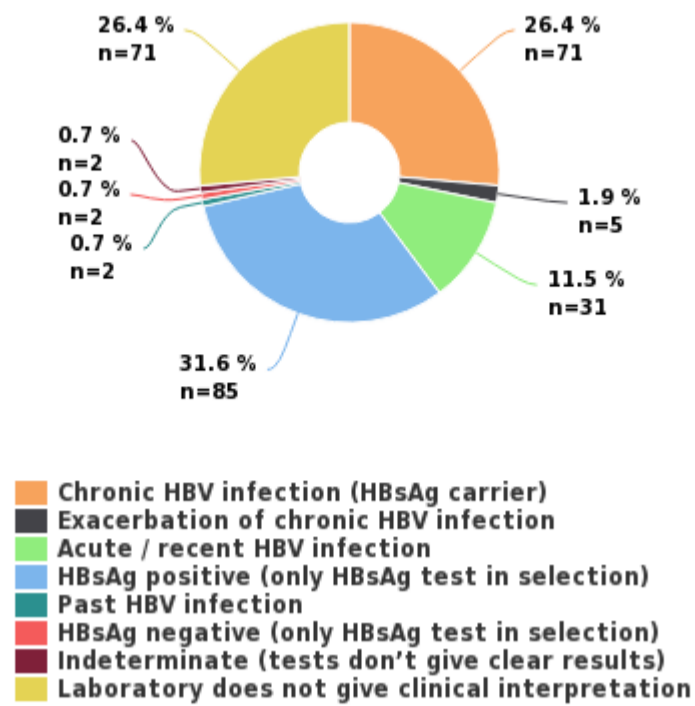
### Specimen S002

Specimen S002 success rate

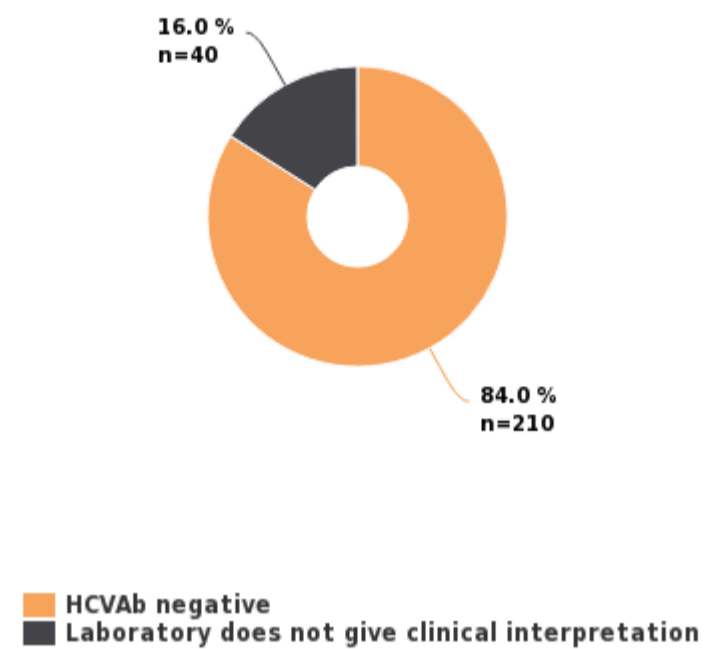


Specimen S002 results	Responded	AVR success rate	Count
	Clinical interpretation hepatitis B	98.5 %	269
	Clinical interpretation hepatitis C	100 %	250
	Common Further Handling (HBV + HCV)	100 %	113
	HBsAg	99.3 %	279
	HBsAgCt	100 %	45
	HBcAb	100 %	147
	HBeAb	96.9 %	98
	HBeAg	99 %	100
	HBcAbM	100 %	96
	HBsAb	99.3 %	138
	HCVAb	100 %	278
	HCVAbCt	100 %	10
Total:		99.4 %	1823

Specimen S002 Clinical interpretation hepatitis B



Specimen S002 Clinical interpretation hepatitis C



### CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Chronic HBV infection (HBsAg carrier)	71	100 %	4
Exacerbation of chronic HBV infection	5	100 %	4
Acute / recent HBV infection	31	100 %	4
HBsAg positive (only HBsAg test in selection)	85	100 %	4
Past HBV infection	2	0 %	0
HBsAg negative (only HBsAg test in selection)	2	0 %	0
Indeterminate (tests don't give clear results)	2	0 %	0
Laboratory does not give clinical interpretation	71	-	-
Total:	269	98.5 %	

### CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	AVR success rate	Interpretation Score
HCVAb negative	210	100 %	4
Laboratory does not give clinical interpretation	40	-	-
Total:	250	100 %	

### COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Would be referred to another laboratory for further examination - HBV tests	74	100 %	1
New sample is requested - for HBV testing	24	100 %	1
A second specimen is requested after 6 months - for HBV testing	15	100 %	1
Total:	113	100 %	

HBsAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Abbott Architect HBsAg Qualitative II		1		
	Positive		277		100 %	2
		Abbott Alinity i HBsAg Qualitative II		46		
		Abbott Architect HBsAg		39		
		Abbott Architect HBsAg Qualitative II		24		
		ABON HBsAg Rapid Test		1		
		Beckman Coulter Access HBsAg		4		
		Bio-Rad Monolisa HBsAg ULTRA		1		
		bioMerieux Vidas HBs Ag Ultra		16		
		bioMerieux VIKIA HBs Ag		1		
		Dia.Pro Diagnostic HBsAg (Version ULTRA)		1		
		DIALAB HBsAg Sensitive		1		
		Diasorin Liaison XL murex HBsAg Quant		5		
		Diasorin Murex HBsAg		2		
		Ortho Vitros HBsAg ES		3		

		Roche cobas/Elecsys HBsAg II		100		
		Roche cobas/Elecsys HBsAg II quant		3		
		Siemens Advia Centaur HBsAg		8		
		Siemens Atellica HBsAg II		9		
		Snibe Maglumi HBsAg		1		
		Türklab HBsAg Test cassette (Info, Labmen, Rapidan test, TOYO)		12		
	Test does not give a clear result		1		0 %	0
		Siemens Advia Centaur HBsAg		1		
	Total:		279		99.3 %	

HBsAgCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Positive		45		100 %	2
		Abbott Alinity i HBsAg Qualitative II		1		
		Abbott Alinity i HBsAg Qualitative II Confirmatory		7		
		Abbott Architect HBsAg Confirmatory		3		
		Abbott Architect HBsAg Qualitative II Confirmatory		6		
		bioMerieux Vidas HBs Ag Ultra Confirmation		1		
		Diasorin Liaison HBsAg Confirmatory Test		2		
		Roche cobas/Elecsys HBsAg Confirmatory		21		
		Siemens Advia Centaur HBsAg Confirmatory		3		
		Siemens Atellica HBsAg Confirmatory		1		
	Total:		45		100 %	

HBcAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Positive		147		100 %	2
		Abbott Alinity i Anti-HBc II		32		
		Abbott Architect Anti-HB		29		
		Abbott Architect Anti-HB II		20		
		Beckman Coulter Access HBcAb		1		
		bioMerieux bioMerieux Vidas Anti-HBc Total		6		
		Diasorin Liaison Anti-HBc		7		
		Diasorin Murex anti-HBc (total)		2		
		Ortho Vitros Anti-HBc		2		
		Roche cobas/Elecsys Anti-HBc II		35		
		Siemens Advia Centaur Anti-HBc Total		4		
		Siemens Atellica HBc Total		8		
		Siemens Immulite Anti-HBc		1		
	Total:		147		100 %	

HBeAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		3		0 %	0
		Abbott Alinity i Anti-HBe		1		
		Abbott Architect Anti-HBe		1		
		Ortho Vitros Anti-HBe		1		
	Positive		95		100 %	2
		Abbott Alinity i Anti-HBe		22		
		Abbott Architect Anti-HBe		34		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison Anti-HBe		3		
		Ortho Vitros Anti-HBe		1		
		Roche cobas/Elecsys Anti-HBe		20		
		Siemens Advia Centaur Anti-HBe		3		
		Siemens Atellica Anti-HBe		6		
	Total:		98		96.9 %	

HBeAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		99		100 %	2
		Abbott Alinity i HBeAg		24		
		Abbott Architect HBeAg		36		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison HBeAg		3		

		Ortho Vitros HBeAg		2		
		Roche cobas/Elecsys HBeAg		18		
		Siemens Advia Centaur HBeAg		3		
		Siemens Atellica HBeAg		7		
	Positive		1		0 %	0
		Siemens Atellica HBeAg		1		
	Total:		100		99 %	

HBCAbM	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		96		100 %	2
		Abbott Alinity i Anti-HBc IgM		25		
		Abbott Architect Anti-HB-IgM		33		
		bioMerieux Vidas HBc IgM		4		
		Dia.Pro Diagnostics HBc IgM		3		
		Diasorin Liaison HBc IgM		4		
		Ortho Vitros Anti-HBc IgM		2		
		Roche cobas/Elecsys Anti-HBc IgM		15		
		Siemens Advia Centaur Anti-HBc IgM		3		
		Siemens Atellica HBc IgM		7		
	Total:		96		100 %	

HBSAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		137		100 %	2
		Abbott Alinity i Anti-HBs		27		
		Abbott Architect Anti-HBs		46		
		Beckman Coulter Access HBSAb		1		
		Bio-Rad Monolisa Anti-HBs		1		
		bioMerieux Vidas Anti HBs Total		4		
		Diasorin ETI-AB-AUK-3 (anti-HBs)		1		
		Diasorin Liaison Anti-HBs		1		
		Diasorin Liaison XL murex Anti-HBs		2		
		Ortho Vitros Anti-HBs		3		
		Roche cobas/Elecsys Anti-HBs II		34		
		Siemens Advia Centaur Anti-HBs		5		
		Siemens Atellica anti-HBS 2		9		
		Siemens Immulite Anti-HBs		3		
	Positive		1		0 %	0
		Abbott Alinity i Anti-HBs		1		
	Total:		138		99.3 %	

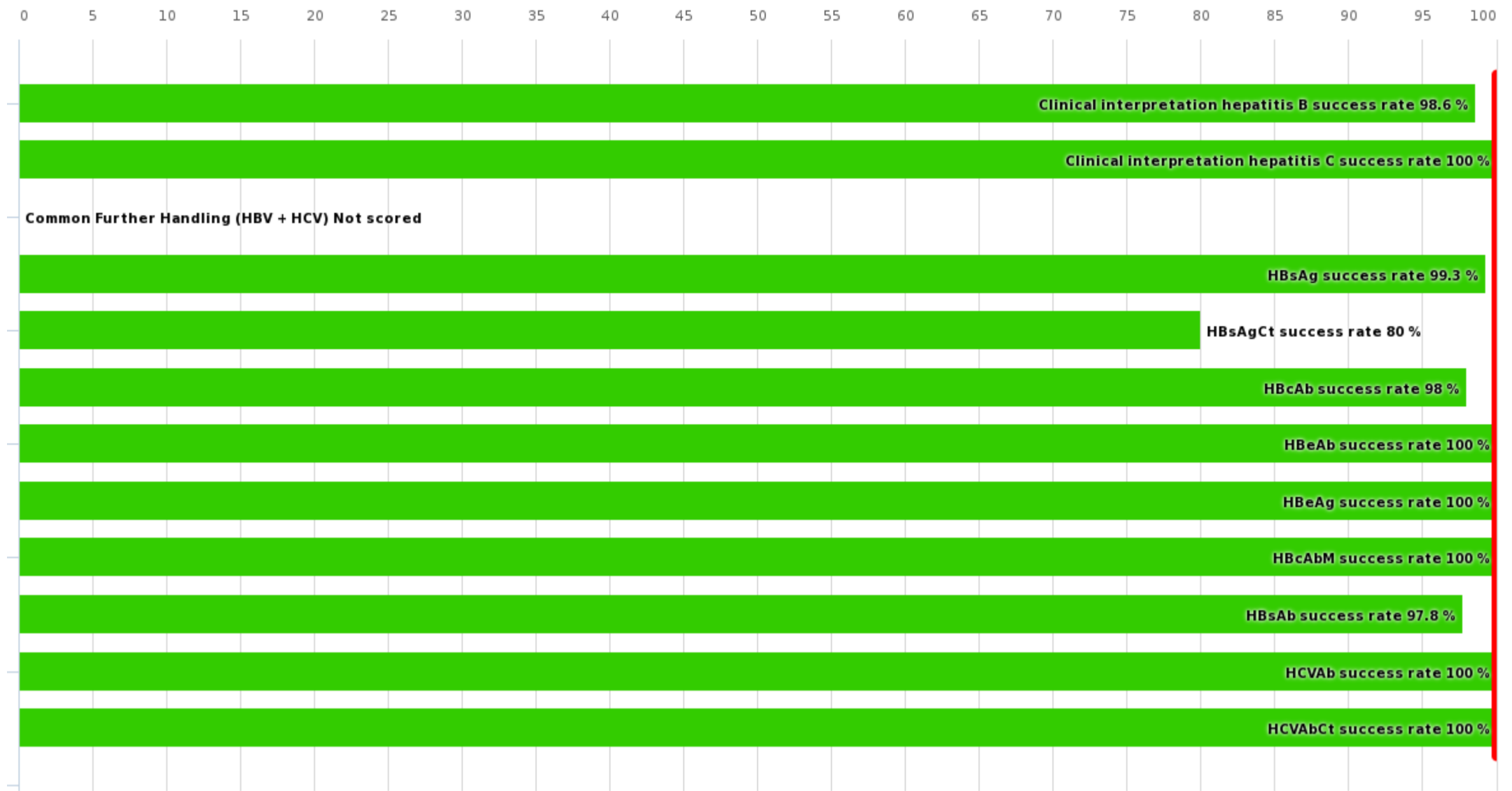
HCVAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		278		100 %	2
		Abbott Alinity i anti-HCV		47		
		Abbott Architect Anti-HCV		62		
		ABON HCV Rapid Test		1		
		Beckman Coulter Access HCVAb		5		
		Bio-Rad Monolisa HCV Ag-Ab		2		
		bioMerieux Vidas Anti-HCV		16		
		DIALAB HCV Ab Sensitive		2		
		Diasorin LIAISON XL murex HCV Ab		4		
		Diasorin Murex anti-HCV		2		
		DIAsource Anti-HCV ELISA V 4.0		1		
		Healgen Hepatitis C Antibody Rapid Test		1		
		OraQuick HCV		12		
		Ortho Vitros Anti-HCV		3		
		Roche cobas/Elecsys Anti-HCV II		86		
		Siemens Advia Centaur HCV		9		
		Siemens Atellica HCV		11		
		Türklab anti-HCV TEST (Info, Labmen, Rapidan test, TOYO)		14		
	Total:		278		100 %	

HCVAbCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
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	Negative		10		100 %	2
		Abbott Architect Anti-HCV		1		
		Fujirebio INNO-LIA HCV Score		8		
		Mikrogen recomLine HCV IgG		1		
	Total:		10		100 %	

Specimen S003

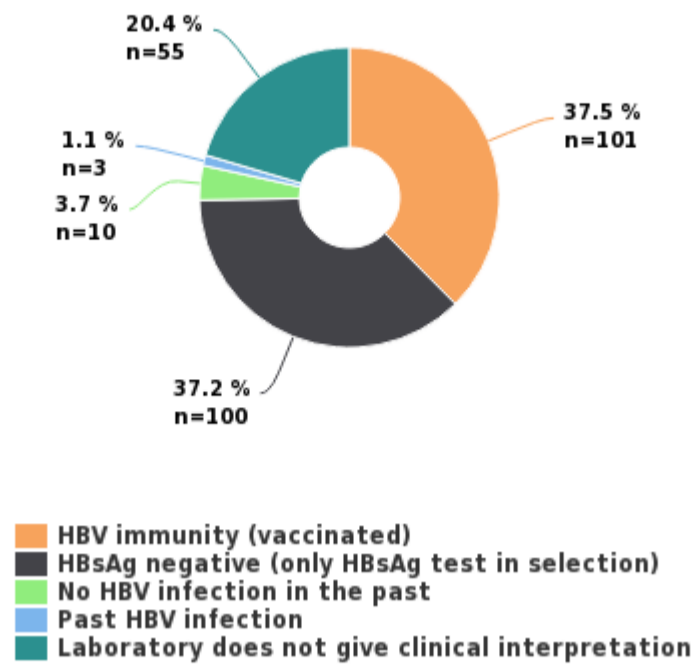
Specimen S003 success rate



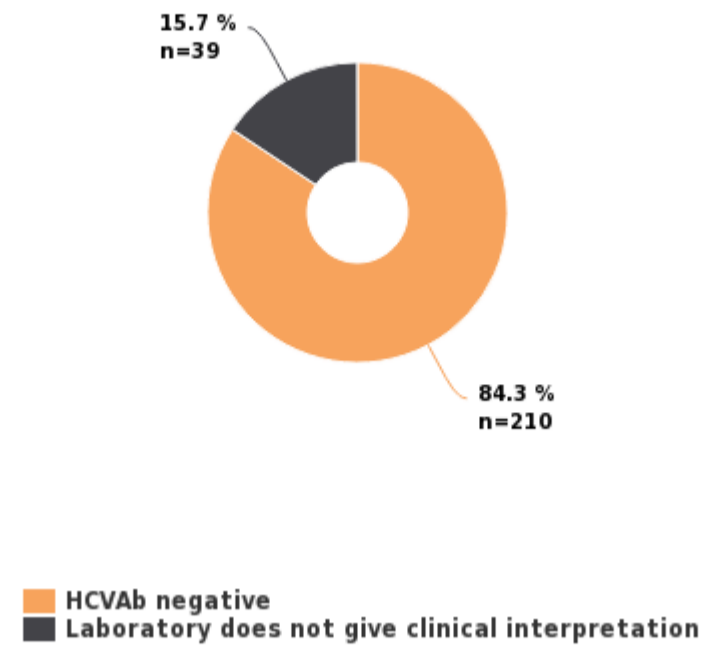
Specimen S003 results	Responded	AVR success rate	Count
	Clinical interpretation hepatitis B	98.6 %	269
	Clinical interpretation hepatitis C	100 %	249
	Common Further Handling (HBV + HCV)	-	15
	HBsAg	99.3 %	279
	HBsAgCt	80 %	5
	HBcAb	98 %	147
	HBeAb	100 %	97
	HBeAg	100 %	97
	HBcAbM	100 %	93
	HBsAb	97.8 %	138
	HCVAb	100 %	277
	HCVAbCt	100 %	10
Total:		99.2 %	1676



Specimen S003 Clinical interpretation hepatitis B



Specimen S003 Clinical interpretation hepatitis C



CLINICAL INTERPRETATION HEPATITIS B

Interpretation	Interpretation count	AVR success rate	Interpretation Score
HBV immunity (vaccinated)	101	100 %	4
HBsAg negative (only HBsAg test in selection)	100	100 %	4
No HBV infection in the past	10	100 %	4
Past HBV infection	3	0 %	0
Laboratory does not give clinical interpretation	55	-	-
Total:	269	98.6 %	

CLINICAL INTERPRETATION HEPATITIS C

Interpretation	Interpretation count	AVR success rate	Interpretation Score
HCVAb negative	210	100 %	4
Laboratory does not give clinical interpretation	39	-	-
Total:	249	100 %	

COMMON FURTHER HANDLING (HBV + HCV)

Interpretation	Interpretation count	AVR success rate	Interpretation Score
Would be referred to another laboratory for further examination - HBV tests	2	-	-
Would be referred to another laboratory for further examination - HCV tests	2	-	-
New sample is requested - for HCV testing	1	-	-
New sample is requested - for HBV testing	1	-	-
A second specimen is requested after 6 months - for HBV testing	9	-	-
Total:	15		

HBsAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		277		100 %	2
		Abbott Alinity i HBsAg Qualitative II		45		
		Abbott Architect HBsAg		39		
		Abbott Architect HBsAg Qualitative II		26		
		ABON HBsAg Rapid Test		1		
		Beckman Coulter Access HBsAg		4		
		Bio-Rad Monolisa HBsAg ULTRA		1		
		bioMerieux Vidas HBs Ag Ultra		16		
		Dia.Pro Diagnostic HBsAg (Version ULTRA)		1		
		DIALAB HBsAg Sensitive		1		
		Diasorin Liaison XL murex HBsAg Quant		5		
		Diasorin Murex HBsAg		2		
		Ortho Vitros HBsAg ES		3		
		Roche cobas/Elecsys HBsAg II		99		
		Roche cobas/Elecsys HBsAg II quant		3		
		Siemens Advia Centaur HBsAg		8		
		Siemens Atellica HBsAg II		10		
		Snibe Maglumi HBsAg		1		

		Türklab HBsAg Test cassette (Info, Labmen, Rapidan test, TOYO)		12		
	Borderline		1		0 %	0
		Roche cobas/Elecsys HBsAg II		1		
	Positive		1		0 %	0
		bioMerieux VIKIA HBs Ag		1		
	Total:		279		99.3 %	

HBsAgCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		4		100 %	2
		Abbott Alinity i HBsAg Qualitative II		1		
		Abbott Architect HBsAg Qualitative II Confirmatory		1		
		Diasorin Liaison HBsAg Confirmatory Test		1		
		Roche cobas/Elecsys HBsAg Confirmatory		1		
	Test does not give a clear result		1		0 %	0
		Roche cobas/Elecsys HBsAg Confirmatory		1		
	Total:		5		80 %	

HBcAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		144		100 %	2
		Abbott Alinity i Anti-HBc II		32		
		Abbott Architect Anti-HB		29		
		Abbott Architect Anti-HB II		19		
		bioMerieux bioMerieux Vidas Anti-HBc Total		5		
		Diasorin Liaison Anti-HBc		7		
		Diasorin Murex anti-HBc (total)		2		
		Ortho Vitros Anti-HBc		2		
		Roche cobas/Elecsys Anti-HBc II		35		
		Siemens Advia Centaur Anti-HBc Total		4		
		Siemens Atellica HBc Total		8		
		Siemens Immulite Anti-HBc		1		
	Positive		3		0 %	0
		Abbott Architect Anti-HB II		1		
		Beckman Coulter Access HBcAb		1		
		bioMerieux bioMerieux Vidas Anti-HBc Total		1		
	Total:		147		98 %	

HBeAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		97		100 %	2
		Abbott Alinity i Anti-HBe		23		
		Abbott Architect Anti-HBe		35		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison Anti-HBe		3		
		Ortho Vitros Anti-HBe		2		
		Roche cobas/Elecsys Anti-HBe		20		
		Siemens Advia Centaur Anti-HBe		3		
		Siemens Atellica Anti-HBe		5		
	Total:		97		100 %	

HBeAg	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		97		100 %	2
		Abbott Alinity i HBeAg		21		
		Abbott Architect HBeAg		37		
		bioMerieux Vidas HBe/Anti-Hbe		6		
		Diasorin Liaison HBeAg		3		
		Ortho Vitros HBeAg		2		
		Roche cobas/Elecsys HBeAg		18		
		Siemens Advia Centaur HBeAg		3		
		Siemens Atellica HBeAg		7		
	Total:		97		100 %	

HBcAbM	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
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Interpretation	Test	Count	AVR success rate	Interpretation Score
Negative		93	100 %	2
	Abbott Alinity i Anti-HBc IgM	22		
	Abbott Architect Anti-HB-IgM	35		
	bioMerieux Vidas HBc IgM	4		
	Dia.Pro Diagnostics HBc IgM	3		
	Diasorin Liaison HBc IgM	4		
	Ortho Vitros Anti-HBc IgM	2		
	Roche cobas/Elecsys Anti-HBc IgM	15		
	Siemens Advia Centaur Anti-HBc IgM	3		
	Siemens Atellica HBc IgM	5		
Total:		93	100 %	

HBsAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		3		0 %	0
		Abbott Architect Anti-HBs		2		
		bioMerieux Vidas Anti HBs Total		1		
	Positive		135		100 %	2
		Abbott Alinity i Anti-HBs		28		
		Abbott Architect Anti-HBs		44		
		Beckman Coulter Access HBsAb		1		
		Bio-Rad Monolisa Anti-HBs		1		
		bioMerieux Vidas Anti HBs Total		3		
		Diasorin ETI-AB-AUK-3 (anti-HBs)		1		
		Diasorin Liaison Anti-HBs		1		
		Diasorin Liaison XL murex Anti-HBs		2		
		Ortho Vitros Anti-HBs		3		
		Roche cobas/Elecsys Anti-HBs II		34		
		Siemens Advia Centaur Anti-HBs		5		
		Siemens Atellica anti-HBs 2		9		
		Siemens Immulite Anti-HBs		3		
Total:			138		97.8 %	

HCVAb	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		277		100 %	2
		Abbott Alinity i anti-HCV		46		
		Abbott Architect Anti-HCV		63		
		ABON HCV Rapid Test		1		
		Beckman Coulter Access HCVAb		5		
		Bio-Rad Monolisa HCV Ag-Ab		2		
		bioMerieux Vidas Anti-HCV		16		
		DIALAB HCV Ab Sensitive		2		
		Diasorin LIAISON XL murex HCV Ab		4		
		Diasorin Murex anti-HCV		2		
		DIAsource Anti-HCV ELISA V 4.0		1		
		Healgen Hepatitis C Antibody Rapid Test		1		
		OraQuick HCV		12		
		Ortho Vitros Anti-HCV		3		
		Roche cobas/Elecsys Anti-HCV II		85		
		Siemens Advia Centaur HCV		8		
		Siemens Atellica HCV		12		
		Türklab anti-HCV TEST (Info, Labmen, Rapidan test, TOYO)		14		
Total:			277		100 %	

HCVAbCt	Interpretation	Test	Interpretation count	Test count	AVR success rate	Interpretation Score
	Negative		10		100 %	2
		Abbott Architect Anti-HCV		1		
		Fujirebio INNO-LIA HCV Score		8		
		Mikrogen recomLine HCV IgG		1		
Total:			10		100 %	

**Report Info****PARTICIPANTS**

Altogether 275 laboratories from 25 countries participated in this EQA round.

**REPORT INFO**

The results are divided into groups according to the method stated by the laboratory and presented in laboratory-specific tables. Accepted results are marked with green color and laboratory's own result with a black radio button . In the scoring report you will find summaries of overall success rate and sample specific success rates (%). Sample specific interpretations are shown in pie diagrams as percentages and the total interpretation and methodic counts in the tables. If you have not reported any results you will get a note: "You have not responded in time, only global report is available."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

**SCORING**

The round is scored based on test results and clinical interpretations when 60% or more of the participants report the expected result and when at least three results are reported.

The following general rules are applied:

Correct/expected test result 2/2 points  
False/deviating test result 0/2 points  
Correct/expected clinical interpretation 4/4 points  
False/deviating clinical interpretation 0/4 points  
Further actions for positive samples 1/1 points

The performance of the laboratory is assessed by the Own success rate (%). The target is 100%. The examination-specific scores obtained by the laboratory in the round are converted to Own success rate per sample (scores/maximum scores\*100). The Laboratory's Own success rate is the average of the sample success rates.

The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores\*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

External Quality Assessment Scheme

## Hepatitis B and C, serology Round 2, 2023

### Specimens

Samples of this EQA round were human plasma or serum, each of which originated from a single donor. Based on the pre-testing and the results obtained in the round, the samples were homogeneous, stable and suitable for the external quality assessment scheme. The materials were sent without temperature control packaging.

The expected results were as follows:

Sample S001 (LQ773323021)		Sample S003 (LQ773323023)	
HBsAg	Positive	HBsAg	Negative
HBcAb	Positive	HBcAb	Negative
HBeAb	Negative	HBeAb	Negative
HBeAg	Positive	HBeAg	Negative
HBcAbM	Positive	HBcAbM	Negative
HBsAb	Negative	HBsAb	Positive
HCVAb	Negative	HCVAb	Negative

### Sample S002 (LQ773323022)

HBsAg	Positive
HBcAb	Positive
HBeAb	Positive
HBeAg	Negative
HBcAbM	Negative
HBsAb	Negative
HCVAb	Negative

Pre-test methods: Abbott Alinity, bioMérieux VIDAS and/or DiaSorin Liaison. Fujirebio INNOTEST HCV Ab IV and Fujirebio INNO-LIA HCV Score.

### Report info

Please see the description of the data analysis on the last page of the laboratory-specific reports and global reports. It is important to read the Final report first, because it contains important information of the samples and results in each round.

### Comments – EQA Coordinator

This EQA round included two samples of acute/chronic HBV infection (S001 and S002), and one sample of HBV vaccination (S003). All three samples were HCVAb negative.

Most of the results were reported correctly/as expected, but some deviating results were reported for each sample. There was some variation in the HBcAbM results of sample S001. In particular, the results of one commercial test differed from the results of the other methods. The sensitivity of the test method could have affected the results. The same sample lot was also used in round 4, 2021 (S002), when the reported results were very similar.

Some of the incorrect results seem to be due to reporting errors or sample mix-ups. The overall success rate of the round was excellent (99%).

### Exceptions in scoring

No exceptions.

### End of report

2023-06-12

### FINAL REPORT

Product no. 5094-5096

Subcontracting: Sample preparation, sample pretesting

Samples sent	2023-05-09
Round closed	2023-05-31
Expected results	2023-06-01
Final report	2023-06-12

### Request for correction

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing. Requests must be notified by writing within three weeks from the date of this letter.

### Authorized by

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