

## Ambu SmartMan Results - powered by V4EMS

### Ambu SmartMan - Summary of Results

Student Name: Sample Chest Compression Report  
Student Number: 9000000499  
Test Type: 30 Chest Compressions Test, (Date of Test/Practice: 9/29/2008)  
Score: 86.7%

**Table1: Summary of Results:**

Category of Compression:	Quantity	Total	% of Total
Compressions at compliant depths:	139	150	92.7
Compressions at compliant rates/durations:	130	150	86.7
Compressions at compliant depth & rates/duration:	124	150	82.7
Compressions at compliant depth & rates & releases:	119	150	79.3

### Understanding the Test and Practice Session Results.

This test (or practice session) measures your performance of **Chest Compressions**. This report provides an analysis of your performance, compared to the parameters that directly affect a victim's survival. The two key aspects of this report are:

- a) Direct measurement and analysis of each parameter associated with your chest compressions
- b) Direct comparison and scoring of your compressions as measured against AHA guideline requirements.

### Percentage Score

Your score of 86.7% is an overall description of your performance, and is determined by the following weightings:

- 10% from the score in your depth chart
- 10% from the score in your rate chart
- 10% from the score in your chest release chart
- 50% from the score in your full compliance chart
- 20% from your ability to perform compression cycles to the correct time.

For further information contact [info@V4EMS.com](mailto:info@V4EMS.com) or visit our website at <http://www.V4EMS.com>

## Ambu Smartman - Detailed Analysis of Results for:

Student Name: Lowell2 Chap

Student Number: 9000000499

**Table2: Depth of Compressions**

Depth (inches)	0 to 0.5	0.5 to 1.0	1.0 to 1.5	1.5 to 2.0	2.0 to 2.5	2.5 to 3.0	3.0 +	Score (%)
No. of Compressions	0	0	4	139	7	0	0	92.7

The table above groups your compressions into ½ inch ranges. It shows the number of compressions that were performed in each range. The AHA recommends compressions be 1.5 inches to 2 inches deep. As can be seen above, 139 (in green) out of 150 were performed in the correct depth range, giving you a score of 92.7% (for compressions at the correct depth).

**Table3: Rate and Duration of Compressions**

Duration (sec)	0 to 0.3	0.3 to 0.4	0.4 to 0.5	0.5 to 0.6	0.6 to 0.7	0.7 to 0.8	0.8 +	Score (%)
Rate (compressions per min)	> 200	200 to 150	150 to 120	120 to 100	100 to 86	86 to 75	75 or less	
No. of Compressions	1	1	6	48	82	8	4	86.7

The table above groups your compressions by rate and duration. The AHA recommends compressions at a rate of 100 compressions per minute (about 0.6 seconds per compression). The green boxes above shows compressions within the range of 0.5 to 0.7 seconds (120 to 86 compressions per minute). You performed 130 of 150 at or near the correct rate. This gives you a score of 86.7% (for compressions performed at or near the correct rate).

**Table4: Compression where the chest was properly released**

Release Depth	0	0 to 0.1	0.1 to 0.2	0.2 to 0.4	0.4 to 0.6	0.6 to 0.8	0.8 +	Score (%)
No. of Compressions	115	28	2	3	1	0	0	96

The table above groups compressions (0.1 inch ranges) by depth of release. Fully released compressions, i.e. allowing the chest to fully recoil at the end of a compression, will have a release depth of 0 inches. Any compression with a release depth of less than 0.1 inches (in green) is considered compliant with AHA guidelines. Not releasing the chest properly, during compressions, can have serious implications for the victim receiving CPR.

From the table above you have properly released 143 out of 150, giving you a score of 96% (for compressions properly released).

**Ambu Smartman - Compression Matrix Analysis of Results for:**

Student Name: Lowell2 Chap

Student Number: 9000000499

The matrices below provide a full analysis of your component skills. They measure how each compression matches the AHA guidelines. The legend matrix below illustrates what each cell in the following matrices represent, ranging from too fast and too deep in the top left cell to, too shallow and too slow in the bottom right cell. The center (green) cell contains compressions simultaneously at the correct depth and correct rate. These are deemed **compliant compressions** with the AHA Guidelines.

The second matrix (on the right) is the first matrix adjusted for correct chest release. Only compressions where the chest was adequately released are included in this matrix. The green box in the center, shows compressions fully compliant for depth, rate and release.

**Matrix Legend - What each matrix cell means**    [Matrix 1: Compressions ordered by simultaneous depth and rate](#)

Too Deep, Too Fast	Too Deep, Correct Rate	Too Deep, Too Slow
Correct Depth, Too Fast	Correct Depth, Correct Rate	Correct Depth, Too Slow
Too Shallow, Too Fast	Too Shallow, Correct Rate	Too Shallow, Too Slow

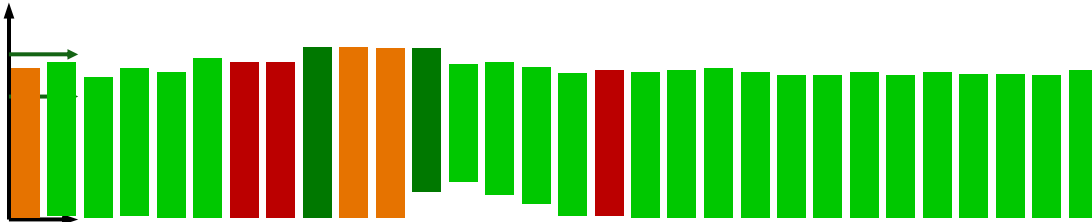
Too Deep, Too Fast 3	Too Deep, Correct Rate 3	Too Deep, Too Slow 1
Correct Depth, Too Fast 5	Correct Depth, Correct Rate 124	Correct Depth, Too Slow 10
Too Shallow, Too Fast 0	Too Shallow, Correct Rate 3	Too Shallow, Too Slow 1

[Matrix 2: Compressions ordered by simultaneous depth, rate and release.](#)

**Of the 150 total compressions performed, 119 were at the correct rate, depth and release.**

Too Deep, Too Fast 3	Too Deep, Correct Rate 2	Too Deep, Too Slow 1
Correct Depth, Too Fast 5	Correct Depth, Correct Rate 119	Correct Depth, Too Slow 10
Too Shallow, Too Fast 0	Too Shallow, Correct Rate 3	Too Shallow, Too Slow 1

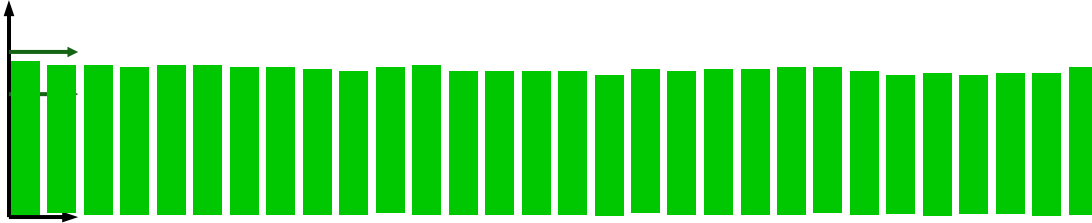
Depth of Compressions



Compressions 1 to 30

2 inches line  
1.5 inches line

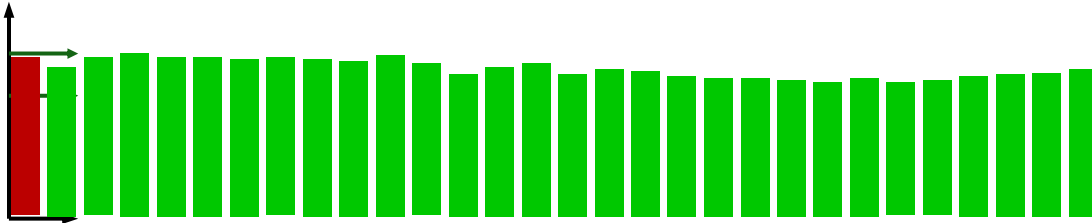
Depth of Compressions



Compressions 31 to 60

2 inches line  
1.5 inches line

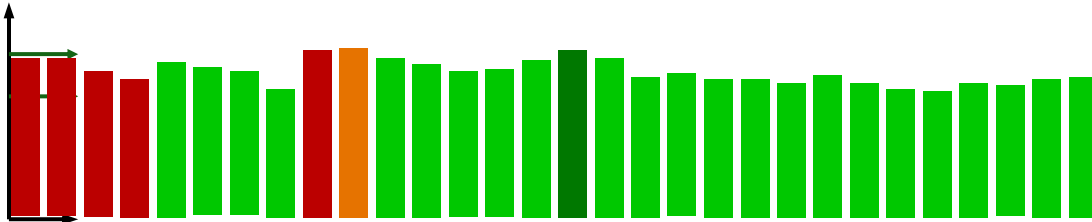
Depth of Compressions



Compressions 61 to 90

2 inches line  
1.5 inches line

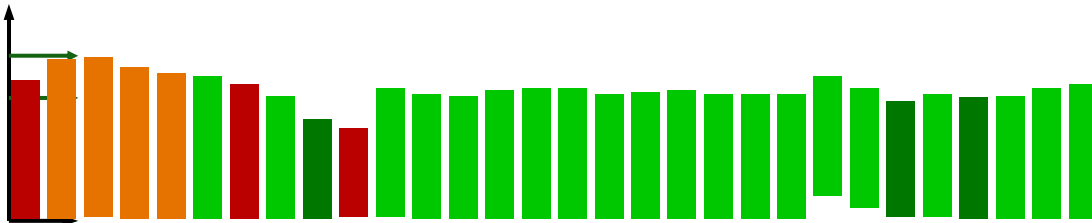
Depth of Compressions



Compressions 91 to 120

2 inches line  
1.5 inches line

Depth of Compressions



Compressions 121 to 150

2 inches line  
1.5 inches line

## Graph Legend: (for compression graphs, previous page)



This is the target bright green. It demonstrates compressions performed at the correct rate/duration and the correct depth



The dark green indicates compressions performed at the correct rate/duration but whose depth was incorrect.



Orange bars indicate the rate of compression was too fast (i.e. the duration of the compression was too short).



Red bars indicate the rate of compression was too slow (i.e. that duration of the compression was too long).



A red line at the bottom of any color bar indicates the chest not properly released. Any release greater than 0.1 inches will show as this red bar.

The graphs on the previous page analyze each of your compressions. The depth of each chest compression is represented by the height of the bars. Compressions bars should be between the 1.5 inches and 2.0 inches lines, with bars below 1.5 inches being too shallow and bars above 2.0 inches being too deep.

The color of the bars represent rate (and duration). All green bars are compressions at the correct rate (around 100 compressions per minute or 0.6 seconds each). Bright green bars represent compressions which were performed at the correct rate and correct depth, while dark green bars represent compressions at the correct rate but incorrect depth.

Orange bars represent compressions that are too fast and red bars, compressions that are too slow.