

US 3 Doppler Sonography

max Pulse Velocity $V_{max} = 2.56$ L/min

DEPTH = 15.5 μ s

~~1.5 L/min~~

15° 30° 60°

1.5 L/min

f_{max}
- 106 Hz

f_{mean}
- 67 Hz

30°

f_{max}
163

f_{mean}
98

60°

f_{max}
- 280 Hz

f_{mean}
- 171

2.0 L/min

~~1.5 L/min~~

15°

f_{max} f_{mean}
- 140 - 85

30°

f_{max} f_{mean}
232 134

60°

f_{max} f_{mean}
- 410 - 252

15° $Q = 50 \text{ L/min}$

Zeit [ms]	Signalintensität 100%	$\frac{Q}{Q_0}$
12,5	20	0
13	29	20
13,5	55	50
14,0	57	100
14,5	20	110
15	70	115
15,5	77	108
16	80	100
16,5	85 80	82
17,0	70	80
17,5	50 50	80

135

30

18

~~200~~
~~18~~

38

18,5

300

38

19

230

30

19,5

~~50~~

~~100~~

~~20~~

12.8

3.0 e/min

[1000 V/s]

Time [μ s]

Tension [V]

 σ [$\frac{e}{\mu s}$]

12.5

20

0

13

34

33

13.5

40

37

14

50

42

14.5

52

45

15

60

48

15.5

70

48

16

81

42

16.5

81

37

17

56
~~34~~

34

17.5

55

34

18

105

39 ~~4~~

18.5

80

35

19

~~23~~ 100

40

19.5

60

38

Pen