

## EVF, SAG

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,6

Standard deviation: 0,019

Null Hypothesis value: 0,55

**Results**

Minimum required sample size: 4

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	2	3	4	6
	0.10	2	3	4	6
Beta	0.05	3	3	4	6
	0.01	3	4	5	7

Calculate Exit

## Hb, SAG

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 60,7

Standard deviation: 5,543

Null Hypothesis value: 42

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	2	2	3	5
	0.10	2	3	3	5
Beta	0.05	2	3	4	5
	0.01	2	3	4	6

Calculate Exit



## EVF, dobbelt-SAG Trine

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,6

Standard deviation: 0,020

Null Hypothesis value: 0,55

**Results**

Minimum required sample size: 4

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	2	3	4	6
	0.10	2	3	4	6
	0.05	3	4	4	7
	0.01	3	4	5	8

Calculate Exit

## HB, dobbelt-SAG Trine

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 55,6

Standard deviation: 4,416

Null Hypothesis value: 42

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	2	3	3	5
	0.10	2	3	4	5
	0.05	2	3	4	6
	0.01	3	4	4	6

Calculate Exit

# Hb-EVF, dobbelt-SAG Aksel

The screenshot shows a software window titled "Sample size: single mean" with a help icon, a question mark, and a close button. The window is divided into several sections:

- Type I and II error:** Type I error (Alpha, Significance) is set to 0,05. Type II error (Beta, 1-Power) is set to 0,20.
- Input:** Mean is 0,6. Standard deviation is 0,024. Null Hypothesis value is 0,55.
- Results:** Minimum required sample size is 4.

Below the results, there is a table showing the relationship between Type I Error (Alpha) and Type II Error (Beta) for different sample sizes. The table is as follows:

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	2	3	4	7
	0.10	3	4	5	7
	0.05	3	4	5	8
	0.01	4	5	7	9

At the bottom of the window, there are icons for help and printing, and two buttons labeled "Calculate" and "Exit".

## Hemolysegrad SAG

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,17

Standard deviation: 0,083

Null Hypothesis value: 0,6

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	3	4
	0.10	2	2	3	4
	0.05	2	2	3	4
	0.01	2	2	3	5

Calculate Exit

## Hemolysegrad dobbel SAG

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,188

Standard deviation: 0,064

Null Hypothesis value: 0,6

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	3	4
	0.10	1	2	3	4
	0.05	2	2	3	4
	0.01	2	2	3	4

Calculate Exit

## LPK, SAG Levanger

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,172

Standard deviation: 0,067

Null Hypothesis value: 0,8

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	3	4
	0.10	1	2	3	4
	0.05	1	2	3	4
	0.01	1	2	3	4

Calculate Exit

## Lpk SAG Namsos

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,263

Standard deviation: 0,306

Null Hypothesis value: 0,8

**Results**

Minimum required sample size: 5

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	3	4	5	8
	0.10	3	5	6	9
	0.05	4	5	7	10
	0.01	6	7	8	12

Calculate Exit

## LPK SAG trima Trine- Levanger

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,155

Standard deviation: 0,013

Null Hypothesis value: 0,8

**Results**

Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

Calculate Exit

## pH i Trc

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 7,145

Standard deviation: 0,077

Null Hypothesis value: 6,6

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	3	4
	0.10	1	2	3	4
	0.05	1	2	3	4
	0.01	2	2	3	4

Calculate Exit

# Plasmatellinger fullblod

## LPK

**Type I and II error**  
Type I error (Alpha, Significance): 0,05  
Type II error (Beta, 1-Power): 0,20

**Input**  
Mean: 0,0  
Standard deviation: 0,002  
Null Hypothesis value: 0,07

**Results**  
Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

## TPK

**Type I and II error**  
Type I error (Alpha, Significance): 0,05  
Type II error (Beta, 1-Power): 0,20

**Input**  
Mean: 0,2  
Standard deviation: 0,456  
Null Hypothesis value: 30

**Results**  
Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

## EPK – Levanger

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 1081,6

Standard deviation: 527,839

Null Hypothesis value: 3000

**Results**

Minimum required sample size: 3

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	2	2	3	5
	0.10	2	3	3	5
	0.05	2	3	3	5
	0.01	2	3	4	6

Calculate Exit

## Plasma EPK – Namsos

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 1268

Standard deviation: 845

Null Hypothesis value: 3000

**Results**

Minimum required sample size: 4

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	2	3	4	7
	0.10	3	4	5	7
	0.05	3	4	6	8
	0.01	4	6	7	10

Calculate Exit

## Plasma LPK aferese LE

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0

Standard deviation: 0,002

Null Hypothesis value: 0,08

**Results**

Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

Calculate Exit

## Plasma TPK aferese Namsos

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 14,6

Standard deviation: 6,464

Null Hypothesis value: 30

**Results**

Minimum required sample size: 4

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	2	3	4	6
	0.10	2	3	4	6
	0.05	3	4	5	7
	0.01	4	5	6	8

Calculate Exit

# Plasma EPK Namsos

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 128,6

Standard deviation: 99,449

Null Hypothesis value: 3000

**Results**

Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

Calculate Exit

# Trombocytt Trc/enhet

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 229

Standard deviation: 24,9

Null Hypothesis value: 210

**Results**

Minimum required sample size: 16

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	9	12	<b>16</b>	24
	0.10	13	17	20	29
	0.05	16	20	25	34
	0.01	24	29	34	45

Calculate Exit

# LPK i Trombocytt

Sample size: single mean

**Type I and II error**

Type I error (Alpha, Significance): 0,05

Type II error (Beta, 1-Power): 0,20

**Input**

Mean: 0,152

Standard deviation: 0

Null Hypothesis value: 0,8

**Results**

Minimum required sample size: 2

		Type I Error - Alpha			
		0.20	0.10	0.05	0.01
Type II Error - Beta	0.20	1	2	2	4
	0.10	1	2	2	4
	0.05	1	2	2	4
	0.01	1	2	2	4

Calculate Exit