

# Hämatologische Referenzbereiche Kinder und erwachsene Frauen in konventionellen Einheiten

Quelle: Herklotz et. al. Referenzbereiche in der Hämatologie  
Therapeutische Umschau 63

Stand 10.08.2012

| Parameter               | Dim.  | Tage<br>3 - 7 | Tage<br>3 - 14 | Tage<br>14 - 30 | Monate<br>1 - 2 | Monate<br>2 - 3 | Monate<br>3 - 6 | Monate<br>6 - 12 | Jahre<br>1 - 2 | Jahre<br>2 - 4 | Jahre<br>4 - 6 | Jahre<br>6 - 12 | Jahre<br>12 - 15 | Jahre<br>15 - 18 | Jahre<br>18 - 65        | Jahre<br>65 -           |
|-------------------------|-------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|----------------|-----------------|------------------|------------------|-------------------------|-------------------------|
| <b>Kleines Blutbild</b> |       |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                         |                         |
| Hämoglobin              | g/dl  | 13.2-20.2     | 13.2-20.2      | 10.7-17.2       | 9.40-14.6       | 9.40-13.4       | 9.71-13.4       | 10.2-13.4        | 10.2-13.4      | 10.7-13.9      | 10.7-13.9      | 11.2-14.6       | 12.0-15.4        | 12.0-15.4        | 18 - 50 J.<br>12.0-15.4 | 50 - 99 J.<br>11.8-15.8 |
| Hämatokrit              | %     | 31 - 66       | 31 - 66        | 31 - 66         | 28 - 44         | 28 - 44         | 28 - 44         | 28 - 44          | 32 - 44        | 32 - 44        | 32 - 44        | 32 - 44         | 36 - 46          | 36 - 45          | 36 - 46                 | 36 - 46                 |
| Erythrozyten            | Tpt/l | 4.50-5.80     | 4.30-5.50      | 3.50-4.70       | 3.10-4.70       | 3.20-5.20       | 3.20-5.20       | 3.20-5.20        | 4.10-5.20      | 4.10-5.20      | 4.10-5.20      | 4.10-5.20       | 4.10-5.20        | 4.10-5.20        | 3.90-5.40               | 3.90-5.40               |
| MCV                     | fl    | 91 - 124      | 91 - 124       | 86 - 118        | 80 - 111        | 80 - 103        | 76 - 103        | 72 - 93          | 72 - 93        | 73 - 91        | 74 - 89        | 76 - 91         | 79 - 93          | 79 - 96          | 80 - 99                 | 80 - 101                |
| MCH                     | pg    | 30.0-39.5     | 30.0-39.5      | 27.5-36.5       | 26.0-35.0       | 26.0-35.0       | 24.5-33.0       | 23.0-31.5        | 23.5-31.0      | 23.5-31.0      | 23.5-31.0      | 25.0-31.5       | 26.0-33.0        | 26.0-33.0        | 26.4-33.1               | 26.4-33.1               |
| MCHC                    | g/dl  | 29 - 36       | 29 - 36        | 29 - 36         | 29 - 35         | 29 - 35         | 29 - 35         | 29 - 35          | 30 - 36        | 30 - 36        | 30 - 36        | 30 - 36         | 32 - 36          | 32 - 36          | 32 - 36                 | 32 - 36                 |
| Leukozyten              | Gpt/l | 8.1 - 21.6    | 8.1 - 21.6     | 7.2 - 19.2      | 6.6 - 16.2      | 6.6 - 16.2      | 6.6 - 15.6      | 6.6 - 15.6       | 6.0 - 15.0     | 5.4 - 13.8     | 5.1 - 12.9     | 4.8 - 12.0      | 4.5 - 11.4       | 4.2 - 11.4       | 3.9 - 10.2              | 3.6 - 10.2              |
| Thrombozyten            | Gpt/l | 230 - 490     | 230 - 490      | 230 - 490       | 240 - 550       | 240 - 550       | 240 - 550       | 240 - 550        | 220 - 490      | 200 - 460      | 200 - 446      | 180 - 415       | 170 - 400        | 160 - 400        | 150 - 370               | 160 - 370               |
| <b>Differenzierung</b>  |       |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                         |                         |
| Basophile               | %     | 0.0-1.50      | 0.0 -1.50      | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50         | 0.0-1.75       | 0.0-1.75       | 0.0-1.75       | 0.0-1.75        | 0.0-1.75         | 0.0-1.75         | 0.0-1.75                | 0.0-1.75                |
|                         | Gpt/l | 0.0-0.20      | 0.0-0.20       | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20         | 0.0-0.20       | 0.0-0.20       | 0.0-0.20       | 0.0-0.20        | 0.0-0.20         | 0.0-0.20         | 0.0-0.20                | 0.0-0.20                |
| Eosinophile             | %     | 0.0 - 7.0     | 0.0 - 7.0      | 0.0 - 7.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0        | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5       | 0.5 - 5.5        | 0.5 - 5.5        | 0.5 - 5.5               | 0.5 - 5.5               |
|                         | Gpt/l | 0.03-1.10     | 0.03-1.10      | 0.03-1.10       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90        | 0.02-0.75      | 0.02-0.75      | 0.02-0.75      | 0.02-0.75       | 0.02-0.65        | 0.02-0.65        | 0.02-0.65               | 0.02-0.65               |
| Neutrophile             | %     | 26 - 74       | 17 - 62        | 17 - 62         | 17 - 63         | 17 - 63         | 17 - 63         | 17 - 63          | 22 - 63        | 25 - 68        | 28 - 71        | 33 - 74         | 36 - 77          | 39 - 77          | 42 - 77                 | 42 - 77                 |
|                         | Gpt/l | 1.3 - 8.9     | 1.3 - 8.9      | 1.3 - 8.9       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7        | 1.5 - 8.7      | 1.5 - 8.5      | 1.7 - 8.5      | 1.7 - 8.1       | 1.7 - 7.9        | 1.7 - 7.9        | 1.5 - 7.7               | 1.5 - 7.7               |
| Stabkernige             | %     | 0 - 8         | 0 - 8          | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8            | 0 - 5          | 0 - 5          | 0 - 5          | 0 - 5           | 0 - 5            | 0 - 5            | 0 - 5                   | 0 - 5                   |
| Segmentkernige          | %     | 17 - 60       | 17 - 60        | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60          | 25 - 60        | 25 - 60        | 25 - 60        | 25 - 60         | 25 - 60          | 45 - 70          | 45 - 70                 | 45 - 70                 |
| Lymphozyten             | %     | 26 - 60       | 26 - 60        | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 67          | 32 - 63        | 28 - 59        | 25 - 55        | 22 - 51         | 20 - 47          | 20 - 47          | 20 - 44                 | 20 - 44                 |
|                         | Gpt/l | 3.0 - 7.5     | 2.2-13.6       | 2.2-13.6        | 2.7 - 12.6      | 2.7 - 12.6      | 2.7 - 12.6      | 3.2 - 11.2       | 3.0 - 10.0     | 2.2 - 8.5      | 1.8 - 7.0      | 1.5 - 6.0       | 1.2 - 5.0        | 1.2 - 5.0        | 1.1 - 4.5               | 1.1 - 4.0               |
| Monozyten               | %     | 3.0 - 17.5    | 2.5 - 17.0     | 2.5 - 17.0      | 2.5 - 15.0      | 2.5 - 15.0      | 2.0 - 13.5      | 2.0 - 12.0       | 1.5 - 10.5     | 1.5 - 9.0      | 1.5 - 9.0      | 1.5 - 9.0       | 4.7 - 12.5       | 4.7 - 12.5       | 4.7 - 12.5              | 4.7 - 12.5              |
|                         | Gpt/l | 0.20-2.70     | 0.20-2.70      | 0.20-2.70       | 0.25-1.90       | 0.25-1.90       | 0.25-1.70       | 0.20-1.45        | 0.15-1.20      | 0.10-1.00      | 0.10-1.00      | 0.10-1.00       | 0.10-0.95        | 0.10-0.95        | 0.10-0.90               | 0.10-0.90               |

# Hämatologische Referenzbereiche Kinder und erwachsene Männer in konventionellen Einheiten

Quelle: Herklotz et. al. Referenzbereiche in der Hämatologie

Therapeutische Umschau 63

Stand 10.08.2012

| Parameter               | Dim.  | Tage<br>3 - 7 | Tage<br>3 - 14 | Tage<br>14 - 30 | Monate<br>1 - 2 | Monate<br>2 - 3 | Monate<br>3 - 6 | Monate<br>6 - 12 | Jahre<br>1 - 2 | Jahre<br>2 - 4 | Jahre<br>4 - 6 | Jahre<br>6 - 12 | Jahre<br>12 - 15 | Jahre<br>15 - 18 | Jahre<br>18 - 65 | Jahre<br>65 - |           |
|-------------------------|-------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|----------------|-----------------|------------------|------------------|------------------|---------------|-----------|
| <b>Kleines Blutbild</b> |       |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                  |               |           |
| Hämoglobin              | g/dl  | 13.2-20.2     | 13.2-20.2      | 10.7-17.2       | 9.40-14.6       | 9.40-13.4       | 9.71-13.4       | 10.2-13.4        | 10.2-13.4      | 10.7-13.9      | 10.7-13.9      | 11.2-14.6       | 12.5-16.0        | 13.0-16.6        | 13.5-17.2        | 12.5-17.2     |           |
| Hämatokrit              | %     | 31 - 66       | 31 - 66        | 31 - 66         | 28 - 44         | 28 - 44         | 28 - 44         | 28 - 44          | 28 - 44        | 32 - 44        | 32 - 44        | 32 - 44         | 32 - 44          | 36 - 48          | 38 - 49          | 40 - 50       | 37 - 49   |
| Erythrozyten            | Tpt/l | 4.50-5.80     | 4.30-5.50      | 3.50-4.70       | 3.10-4.70       | 3.20-5.20       | 3.20-5.20       | 3.20-5.20        | 3.20-5.20      | 4.10-5.20      | 4.10-5.20      | 4.10-5.20       | 4.10-5.20        | 4.10-5.20        | 4.10-5.20        | 4.60-6.20     | 4.60-6.20 |
| MCV                     | fl    | 91 - 124      | 91 - 124       | 86 - 118        | 80 - 111        | 80 - 103        | 76 - 103        | 72 - 93          | 72 - 93        | 73 - 91        | 74 - 89        | 76 - 91         | 79 - 93          | 79 - 96          | 80 - 99          | 80 - 101      |           |
| MCH                     | pg    | 30.0-39.5     | 30.0-39.5      | 27.5-36.5       | 26.0-35.0       | 26.0-35.0       | 24.5-33.0       | 23.0-31.5        | 23.5-31.0      | 23.5-31.0      | 23.5-31.0      | 25.0-31.5       | 26.0-33.0        | 26.0-33.0        | 26.4-33.1        | 26.4-33.1     |           |
| MCHC                    | g/dl  | 29 - 36       | 29 - 36        | 29 - 36         | 29 - 35         | 29 - 35         | 29 - 35         | 29 - 35          | 29 - 35        | 30 - 36        | 30 - 36        | 30 - 36         | 30 - 36          | 32 - 36          | 32 - 36          | 32 - 36       | 32 - 36   |
| Leukozyten              | Gpt/l | 8.1 - 21.6    | 8.1 - 21.6     | 7.2 - 19.2      | 6.6 - 16.2      | 6.6 - 16.2      | 6.6 - 15.6      | 6.6 - 15.6       | 6.0 - 15.0     | 5.4 - 13.8     | 5.1 - 12.9     | 4.8 - 12.0      | 4.5 - 11.4       | 4.2 - 11.4       | 3.9 - 10.2       | 3.6 - 10.2    |           |
| Thrombozyten            | Gpt/l | 230 - 490     | 230 - 490      | 230 - 490       | 240 - 550       | 240 - 550       | 240 - 550       | 240 - 550        | 220 - 490      | 200 - 460      | 200 - 446      | 180 - 415       | 170 - 400        | 160 - 400        | 150 - 370        | 160 - 370     |           |
| <b>Differenzierung</b>  |       |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                  |               |           |
| Basophile               | %     | 0.0-1.50      | 0.0-1.50       | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50         | 0.0-1.75       | 0.0-1.75       | 0.0-1.75       | 0.0-1.75        | 0.0-1.75         | 0.0-1.75         | 0.0-1.75         | 0.0-1.75      | 0.0-1.75  |
|                         | Gpt/l | 0.0-0.20      | 0.0-0.20       | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20         | 0.0-0.20       | 0.0-0.20       | 0.0-0.20       | 0.0-0.20        | 0.0-0.20         | 0.0-0.20         | 0.0-0.20         | 0.0-0.20      | 0.0-0.20  |
| Eosinophile             | %     | 0.0 - 7.0     | 0.0 - 7.0      | 0.0 - 7.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0        | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5       | 0.5 - 5.5        | 0.5 - 5.5        | 0.5 - 5.5        | 0.5 - 5.5     | 0.5 - 5.5 |
|                         | Gpt/l | 0.03-1.10     | 0.03-1.10      | 0.03-1.10       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90        | 0.02-0.75      | 0.02-0.75      | 0.02-0.75      | 0.02-0.75       | 0.02-0.75        | 0.02-0.65        | 0.02-0.65        | 0.02-0.65     | 0.02-0.65 |
| Neutrophile             | %     | 26 - 74       | 17 - 62        | 17 - 62         | 17 - 63         | 17 - 63         | 17 - 63         | 17 - 63          | 22 - 63        | 25 - 68        | 28 - 71        | 33 - 74         | 36 - 77          | 39 - 77          | 42 - 77          | 42 - 77       |           |
|                         | Gpt/l | 1.3 - 8.9     | 1.3 - 8.9      | 1.3 - 8.9       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7        | 1.5 - 8.7      | 1.5 - 8.5      | 1.7 - 8.5      | 1.7 - 8.1       | 1.7 - 7.9        | 1.7 - 7.9        | 1.5 - 7.7        | 1.5 - 7.7     |           |
| Stabkernige             | %     | 0 - 8         | 0 - 8          | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8            | 0 - 5          | 0 - 5          | 0 - 5          | 0 - 5           | 0 - 5            | 0 - 5            | 0 - 5            | 0 - 5         |           |
| Segmentkernige          | %     | 17 - 60       | 17 - 60        | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60          | 25 - 60        | 25 - 60        | 25 - 60        | 25 - 60         | 25 - 60          | 45 - 70          | 45 - 70          | 45 - 70       |           |
| Lymphozyten             | %     | 26 - 60       | 26 - 60        | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 65          | 30 - 67        | 32 - 63        | 28 - 59        | 25 - 55         | 22 - 51          | 20 - 47          | 20 - 47          | 20 - 44       | 20 - 44   |
|                         | Gpt/l | 3.0 - 7.5     | 2.2-13.6       | 2.2-13.6        | 2.7 - 12.6      | 2.7 - 12.6      | 2.7 - 12.6      | 2.7 - 12.6       | 3.2 - 11.2     | 3.0 - 10.0     | 2.2 - 8.5      | 1.8 - 7.0       | 1.5 - 6.0        | 1.2 - 5.0        | 1.2 - 5.0        | 1.1 - 4.5     | 1.1 - 4.0 |
| Monozyten               | %     | 3.0 - 17.5    | 2.5 - 17.0     | 2.5 - 17.0      | 2.5 - 15.0      | 2.5 - 15.0      | 2.0 - 13.5      | 2.0 - 12.0       | 1.5 - 10.5     | 1.5 - 9.0      | 1.5 - 9.0      | 1.5 - 9.0       | 4.7 - 12.5       | 4.7 - 12.5       | 4.7 - 12.5       | 4.7 - 12.5    |           |
|                         | Gpt/l | 0.20-2.70     | 0.20-2.70      | 0.20-2.70       | 0.25-1.90       | 0.25-1.90       | 0.25-1.70       | 0.20-1.45        | 0.15-1.20      | 0.10-1.00      | 0.10-1.00      | 0.10-1.00       | 0.10-1.00        | 0.10-0.95        | 0.10-0.95        | 0.10-0.90     | 0.10-0.90 |

# Hämatologische Referenzbereiche Kinder und erwachsene Frauen in SI - Einheiten

Quelle: Herklotz et. al. Referenzbereiche in der Hämatologie

Therapeutische Umschau 63

Stand 10.08.2012

| Parameter               | Dim.       | Tage<br>3 - 7           | Tage<br>3 - 14          | Tage<br>14 - 30         | Monate<br>1 - 2         | Monate<br>2 - 3         | Monate<br>3 - 6         | Monate<br>6 - 12        | Jahre<br>1 - 2          | Jahre<br>2 - 4         | Jahre<br>4 - 6         | Jahre<br>6 - 12        | Jahre<br>12 - 15        | Jahre<br>15 - 18        | Jahre<br>18 - 65        | Jahre<br>65 -           |
|-------------------------|------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Kleines Blutbild</b> |            |                         |                         |                         |                         |                         |                         |                         |                         |                        |                        |                        |                         |                         |                         |                         |
| Hämoglobin              | mmol/l     | 8.19-12.5               | 8.19-12.5               | 6.64-10.7               | 5.83-9.07               | 5.83-8.32               | 6.02-8.32               | 6.34-8.32               | 6.34-8.32               | 6.65-8.36              | 6.65-8.36              | 6.96-9.07              | 7.45-9.57               | 7.45-9.57               | 18 - 50 J.<br>7.45-9.69 | 50 - 99 J.<br>7.32-9.81 |
| Hämatokrit              | l/l        | 0.31-0.66               | 0.31-0.66               | 0.31-0.66               | 0.28-0.44               | 0.28-0.44               | 0.28-0.44               | 0.28-0.44               | 0.32-0.44               | 0.32-0.44              | 0.32-0.44              | 0.32-0.44              | 0.36-0.45               | 0.36-0.45               | 0.36-0.46               | 0.36-0.46               |
| Erythrozyten            | Tpt/l      | 4.50-5.80               | 4.30-5.50               | 3.50-4.70               | 3.10-4.70               | 3.20-5.20               | 3.20-5.20               | 3.20-5.20               | 4.10-5.20               | 4.10-5.20              | 4.10-5.20              | 4.10-5.20              | 4.10-5.20               | 4.10-5.20               | 3.90-5.40               | 3.90-5.40               |
| MCV                     | fl         | 91 - 124                | 91 - 124                | 86 - 118                | 80 - 111                | 80 - 103                | 76 - 103                | 72 - 93                 | 72 - 93                 | 73 - 91                | 74 - 89                | 76 - 91                | 79 - 93                 | 79 - 96                 | 80 - 99                 | 80 - 101                |
| MCH                     | fmol       | 1.83-2.41               | 1.83-2.41               | 1.68-2.23               | 1.59-2.14               | 1.59-2.14               | 1.49-2.01               | 1.40-1.92               | 1.43-1.92               | 1.43-1.92              | 1.43-1.92              | 1.52-1.92              | 1.59-2.01               | 1.59-2.01               | 1.65-2.07               | 1.65-2.07               |
| MCHC                    | mmol/l     | 18 - 22                 | 18 - 22                 | 18 - 22                 | 18 - 21                 | 18 - 21                 | 18 - 21                 | 18 - 21                 | 18 - 22                 | 18 - 22                | 18 - 22                | 18 - 22                | 19 - 22                 | 19 - 22                 | 19 - 22                 | 19 - 22                 |
| Leukozyten              | Gpt/l      | 8.1 - 21.6              | 8.1 - 21.6              | 7.2 - 19.2              | 6.6 - 16.2              | 6.6 - 16.2              | 6.6 - 15.6              | 6.6 - 15.6              | 6.0 - 15.0              | 5.4 - 13.8             | 5.1 - 12.9             | 4.8 - 12.0             | 4.5 - 11.4              | 4.2 - 11.4              | 3.9 - 10.2              | 3.6 - 10.2              |
| Thrombozyten            | Gpt/l      | 230 - 490               | 230 - 490               | 230 - 490               | 240 - 550               | 240 - 550               | 240 - 550               | 240 - 550               | 220 - 490               | 200 - 460              | 200 - 446              | 180 - 415              | 170 - 400               | 160 - 400               | 150 - 370               | 160 - 370               |
| <b>Differenzierung</b>  |            |                         |                         |                         |                         |                         |                         |                         |                         |                        |                        |                        |                         |                         |                         |                         |
| Basophile               | %<br>Gpt/l | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.50<br>0.0-0.20    | 0.0-1.75<br>0.0-0.20    | 0.0-1.75<br>0.0-0.20   | 0.0-1.75<br>0.0-0.20   | 0.0-1.75<br>0.0-0.20   | 0.0-1.75<br>0.0-0.20    | 0.0-1.75<br>0.0-0.20    | 0.0-1.75<br>0.0-0.20    | 0.0-1.75<br>0.0-0.20    |
| Eosinophile             | %<br>Gpt/l | 0.0 - 7.0<br>0.03-1.10  | 0.0 - 7.0<br>0.03-1.10  | 0.0 - 7.0<br>0.03-1.10  | 0.5 - 6.0<br>0.05-0.90  | 0.5 - 6.0<br>0.05-0.90  | 0.5 - 6.0<br>0.05-0.90  | 0.5 - 6.0<br>0.05-0.90  | 0.5 - 5.5<br>0.02-0.75  | 0.5 - 5.5<br>0.02-0.75 | 0.5 - 5.5<br>0.02-0.75 | 0.5 - 5.5<br>0.02-0.75 | 0.5 - 5.5<br>0.02-0.65  | 0.5 - 5.5<br>0.02-0.65  | 0.5 - 5.5<br>0.02-0.65  | 0.5 - 5.5<br>0.02-0.65  |
| Neutrophile             | %<br>Gpt/l | 26 - 74<br>1.3 - 8.9    | 17 - 62<br>1.3 - 8.9    | 17 - 62<br>1.3 - 8.9    | 17 - 63<br>1.3 - 8.7    | 17 - 63<br>1.3 - 8.7    | 17 - 63<br>1.3 - 8.7    | 17 - 63<br>1.3 - 8.7    | 22 - 63<br>1.5 - 8.7    | 25 - 68<br>1.5 - 8.5   | 28 - 71<br>1.7 - 8.5   | 33 - 74<br>1.7 - 8.1   | 36 - 77<br>1.7 - 7.9    | 39 - 77<br>1.7 - 7.9    | 42 - 77<br>1.5 - 7.7    | 42 - 77<br>1.5 - 7.7    |
| Stabkernige             | %          | 0 - 8                   | 0 - 8                   | 0 - 8                   | 0 - 8                   | 0 - 8                   | 0 - 8                   | 0 - 8                   | 0 - 5                   | 0 - 5                  | 0 - 5                  | 0 - 5                  | 0 - 5                   | 0 - 5                   | 0 - 5                   | 0 - 5                   |
| Segmentkernige          | %          | 17 - 60                 | 17 - 60                 | 17 - 60                 | 17 - 60                 | 17 - 60                 | 17 - 60                 | 17 - 60                 | 25 - 60                 | 25 - 60                | 25 - 60                | 25 - 60                | 25 - 60                 | 25 - 60                 | 45 - 70                 | 45 - 70                 |
| Lymphozyten             | %<br>Gpt/l | 26 - 60<br>3.0 - 7.5    | 26 - 60<br>2.2 - 13.6   | 30 - 65<br>2.2 - 13.6   | 30 - 65<br>2.7 - 12.6   | 30 - 65<br>2.7 - 12.6   | 30 - 65<br>2.7 - 12.6   | 30 - 67<br>3.2 - 11.2   | 32 - 63<br>3.0 - 10.0   | 28 - 59<br>2.2 - 8.5   | 25 - 55<br>1.8 - 7.0   | 22 - 51<br>1.5 - 6.0   | 20 - 47<br>1.2 - 5.0    | 20 - 47<br>1.2 - 5.0    | 20 - 44<br>1.1 - 4.5    | 20 - 44<br>1.1 - 4.0    |
| Monozyten               | %<br>Gpt/l | 3.0 - 17.5<br>0.20-2.70 | 2.5 - 17.0<br>0.20-2.70 | 2.5 - 17.0<br>0.20-2.70 | 2.5 - 15.0<br>0.25-1.90 | 2.5 - 15.0<br>0.25-1.90 | 2.0 - 13.5<br>0.25-1.70 | 2.0 - 12.0<br>0.20-1.45 | 1.5 - 10.5<br>0.15-1.20 | 1.5 - 9.0<br>0.10-1.00 | 1.5 - 9.0<br>0.10-1.00 | 1.5 - 9.0<br>0.10-1.00 | 4.7 - 12.5<br>0.10-0.95 | 4.7 - 12.5<br>0.10-0.95 | 4.7 - 12.5<br>0.10-0.90 | 4.7 - 12.5<br>0.10-0.90 |

# Hämatologische Referenzbereiche Kinder und erwachsene Männer in SI - Einheiten

Quelle: Herklotz et. al. Referenzbereiche in der Hämatologie  
Therapeutische Umschau 63

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| Parameter               | Dim.   | Tage<br>3 - 7 | Tage<br>3 - 14 | Tage<br>14 - 30 | Monate<br>1 - 2 | Monate<br>2 - 3 | Monate<br>3 - 6 | Monate<br>6 - 12 | Jahre<br>1 - 2 | Jahre<br>2 - 4 | Jahre<br>4 - 6 | Jahre<br>6 - 12 | Jahre<br>12 - 15 | Jahre<br>15 - 18 | Jahre<br>18 - 65 | Jahre<br>65 - |
|-------------------------|--------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|------------------|----------------|----------------|----------------|-----------------|------------------|------------------|------------------|---------------|
| <b>Kleines Blutbild</b> |        |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                  |               |
| Hämoglobin              | mmol/l | 8.19-12.5     | 8.19-12.5      | 6.64-10.7       | 5.83-9.07       | 5.83-8.32       | 6.02-8.32       | 6.34-8.32        | 6.34-8.32      | 6.65-8.36      | 6.65-8.36      | 6.96-9.07       | 7.76-9.94        | 8.07-10.3        | 8.39-10.7        | 7.76-10.7     |
| Hämatokrit              | l/l    | 0.31-0.66     | 0.31-0.66      | 0.31-0.66       | 0.28-0.44       | 0.28-0.44       | 0.28-0.44       | 0.28-0.44        | 0.32-0.44      | 0.32-0.44      | 0.32-0.44      | 0.32-0.44       | 0.36-0.48        | 0.38-0.49        | 0.40-0.50        | 0.37-0.49     |
| Erythrozyten            | Tpt/l  | 4.50-5.80     | 4.30-5.50      | 3.50-4.70       | 3.10-4.70       | 3.20-5.20       | 3.20-5.20       | 3.20-5.20        | 4.10-5.20      | 4.10-5.20      | 4.10-5.20      | 4.10-5.20       | 4.10-5.20        | 4.10-5.20        | 4.60-6.20        | 4.60-6.20     |
| MCV                     | fl     | 91 - 124      | 91 - 124       | 86 - 118        | 80 - 111        | 80 - 103        | 76 - 103        | 72 - 93          | 72 - 93        | 73 - 91        | 74 - 89        | 76 - 91         | 79 - 93          | 79 - 96          | 80 - 99          | 80 - 101      |
| MCH                     | fmol   | 1.83-2.41     | 1.83-2.41      | 1.68-2.23       | 1.59-2.14       | 1.59-2.14       | 1.49-2.01       | 1.40-1.92        | 1.43-1.92      | 1.43-1.92      | 1.43-1.92      | 1.52-1.92       | 1.59-2.01        | 1.59-2.01        | 1.65-2.07        | 1.65-2.07     |
| MCHC                    | mmol/l | 18 - 22       | 18 - 22        | 18 - 22         | 18 - 21         | 18 - 21         | 18 - 21         | 18 - 21          | 18 - 22        | 18 - 22        | 18 - 22        | 18 - 22         | 19 - 22          | 19 - 22          | 19 - 22          | 19 - 22       |
| Leukozyten              | Gpt/l  | 8.1 - 21.6    | 8.1 - 21.6     | 7.2 - 19.2      | 6.6 - 16.2      | 6.6 - 16.2      | 6.6 - 15.6      | 6.6 - 15.6       | 6.0 - 15.0     | 5.4 - 13.8     | 5.1 - 12.9     | 4.8 - 12.0      | 4.5 - 11.4       | 4.2 - 11.4       | 3.9 - 10.2       | 3.6 - 10.2    |
| Thrombozyten            | Gpt/l  | 230 - 490     | 230 - 490      | 230 - 490       | 240 - 550       | 240 - 550       | 240 - 550       | 240 - 550        | 220 - 490      | 200 - 460      | 200 - 446      | 180 - 415       | 170 - 400        | 160 - 400        | 150 - 370        | 160 - 370     |
| <b>Differenzierung</b>  |        |               |                |                 |                 |                 |                 |                  |                |                |                |                 |                  |                  |                  |               |
| Basophile               | %      | 0.0-1.50      | 0.0 -1.50      | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50        | 0.0-1.50         | 0.0-1.75       | 0.0-1.75       | 0.0-1.75       | 0.0-1.75        | 0.0-1.75         | 0.0-1.75         | 0.0-1.75         | 0.0-1.75      |
|                         | Gpt/l  | 0.0-0.20      | 0.0-0.20       | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20        | 0.0-0.20         | 0.0-0.20       | 0.0-0.20       | 0.0-0.20       | 0.0-0.20        | 0.0-0.20         | 0.0-0.20         | 0.0-0.20         | 0.0-0.20      |
| Eosinophile             | %      | 0.0 - 7.0     | 0.0 - 7.0      | 0.0 - 7.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0       | 0.5 - 6.0        | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5      | 0.5 - 5.5       | 0.5 - 5.5        | 0.5 - 5.5        | 0.5 - 5.5        | 0.5 - 5.5     |
|                         | Gpt/l  | 0.03-1.10     | 0.03-1.10      | 0.03-1.10       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90       | 0.05-0.90        | 0.02-0.75      | 0.02-0.75      | 0.02-0.75      | 0.02-0.75       | 0.02-0.75        | 0.02-0.65        | 0.02-0.65        | 0.02-0.65     |
| Neutrophile             | %      | 26 - 74       | 17 - 62        | 17 - 62         | 17 - 63         | 17 - 63         | 17 - 63         | 17 - 63          | 22 - 63        | 25 - 68        | 28 - 71        | 33 - 74         | 36 - 77          | 39 - 77          | 42 - 77          | 42 - 77       |
|                         | Gpt/l  | 1.3 - 8.9     | 1.3 - 8.9      | 1.3 - 8.9       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7       | 1.3 - 8.7        | 1.5 - 8.7      | 1.5 - 8.5      | 1.7 - 8.5      | 1.7 - 8.1       | 1.7 - 7.9        | 1.7 - 7.9        | 1.5 - 7.7        | 1.5 - 7.7     |
| Stabkernige             | %      | 0 - 8         | 0 - 8          | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8           | 0 - 8            | 0 - 5          | 0 - 5          | 0 - 5          | 0 - 5           | 0 - 5            | 0 - 5            | 0 - 5            | 0 - 5         |
| Segmentkernige          | %      | 17 - 60       | 17 - 60        | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60         | 17 - 60          | 25 - 60        | 25 - 60        | 25 - 60        | 25 - 60         | 25 - 60          | 45 - 70          | 45 - 70          | 45 - 70       |
| Lymphozyten             | %      | 26 - 60       | 26 - 60        | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 65         | 30 - 67          | 32 - 63        | 28 - 59        | 25 - 55        | 22 - 51         | 20 - 47          | 20 - 47          | 20 - 44          | 20 - 44       |
|                         | Gpt/l  | 3.0 - 7.5     | 2.2-13.6       | 2.2-13.6        | 2.7 - 12.6      | 2.7 - 12.6      | 2.7 - 12.6      | 2.7 - 12.6       | 3.2 - 11.2     | 3.0 - 10.0     | 2.2 - 8.5      | 1.8 - 7.0       | 1.5 - 6.0        | 1.2 - 5.0        | 1.2 - 5.0        | 1.1 - 4.5     |
| Monozyten               | %      | 3.0 - 17.5    | 2.5 - 17.0     | 2.5 - 17.0      | 2.5 - 15.0      | 2.5 - 15.0      | 2.0 - 13.5      | 2.0 - 12.0       | 1.5 - 10.5     | 1.5 - 9.0      | 1.5 - 9.0      | 1.5 - 9.0       | 4.7 - 12.5       | 4.7 - 12.5       | 4.7 - 12.5       | 4.7 - 12.5    |
|                         | Gpt/l  | 0.20-2.70     | 0.20-2.70      | 0.20-2.70       | 0.25-1.90       | 0.25-1.90       | 0.25-1.70       | 0.20-1.45        | 0.15-1.20      | 0.10-1.00      | 0.10-1.00      | 0.10-1.00       | 0.10-1.00        | 0.10-0.95        | 0.10-0.95        | 0.10-0.90     |