

# Methaemoglobin Color Chart

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| MetHB % | N   | 10     | 20     | 30     | 40     | 50    | 60    | 70     | 80     |
|---------|-----|--------|--------|--------|--------|-------|-------|--------|--------|
| RED     | 204 | 194.44 | 181.88 | 169.32 | 156.76 | 144.2 | 131.6 | 119.08 | 106.52 |
| GREEN   | 10  | 33     | 34     | 35     | 36     | 37    | 38    | 39     | 40     |
| BLUE    | 15  | 34     | 36     | 38     | 40     | 42    | 44    | 46     | 48     |

| MetHB % | N   | 10     | 15     | 20     | 25    | 30    | 35  | 40     | 45     | 50    | 55     | 60     | 65     | 70     | 75    |
|---------|-----|--------|--------|--------|-------|-------|-----|--------|--------|-------|--------|--------|--------|--------|-------|
| RED     | 204 | 194.44 | 188.16 | 181.88 | 175.6 | 169.3 | 163 | 156.76 | 150.48 | 144.2 | 137.92 | 131.64 | 125.36 | 119.08 | 112.8 |
| GREEN   | 10  | 33     | 34     | 35     | 35    | 36    | 36  | 36     | 37     | 37    | 38     | 38     | 39     | 39     | 40    |
| BLUE    | 15  | 34     | 35     | 36     | 37    | 38    | 39  | 40     | 41     | 42    | 43     | 44     | 45     | 46     | 47    |

| MetHB % | N   | 10    | 20    | 30    | 40    | 50    | 60    | 70    | 80    |
|---------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| RED     | 204 | 194.4 | 181.9 | 169.3 | 156.8 | 144.2 | 131.6 | 119.1 | 106.5 |
| GREEN   | 10  | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    |
| BLUE    | 15  | 34    | 36    | 38    | 40    | 42    | 44    | 46    | 48    |

| MetHB % | N     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RED     | 204.0 | 194.4 | 188.2 | 181.9 | 175.6 | 169.3 | 163.0 | 156.8 | 150.5 | 144.2 | 137.9 | 131.6 | 125.4 | 119.1 | 112.8 |
| GREEN   | 10    | 33    | 34    | 35    | 35    | 36    | 36    | 36    | 37    | 37    | 38    | 38    | 39    | 39    | 40    |
| BLUE    | 15    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    | 42    | 43    | 44    | 45    | 46    | 47    |

## Instructions

These are the TGB values used to make the color chart below.

If you are producing your own color chart or using one you should use these values in its production or when checking its accuracy.

To check the accuracy you can scan the printed image and then use a computer program such as ImageJ (<http://rsbweb.nih.gov/ij/>) to sample the color.

As printed copies deteriorate with time this should be done every 3 months.

The color chart should be stored out of direct light to minimise fading

**COLOUR CHART FOR DETECTION OF THE AMOUNT OF METHAEMOGLOBIN (%)**

