

# Medical diagnostic standard gases

Medical diagnostic standard gases are available in a broad range of composition. The listed PRMs are typical examples of standard gas mixtures used in blood gas determination, respiratory and anaesthesia monitoring. Other compositions, including other components are available on request.

| <b>Blood gas standards</b>         |                     |                                  |                  |
|------------------------------------|---------------------|----------------------------------|------------------|
| PRM code                           | Certified component | Nominal fraction range (mol/mol) | Stability period |
| MG-1                               | CO <sub>2</sub>     | 10,0 · 10 <sup>-2</sup>          | 24 months        |
|                                    | O <sub>2</sub>      | 90,0 · 10 <sup>-2</sup>          |                  |
| MG-2                               | CO <sub>2</sub>     | 5,0 · 10 <sup>-2</sup>           | 24 months        |
|                                    | O <sub>2</sub>      | 95,0 · 10 <sup>-2</sup>          |                  |
| MG-3                               | CO <sub>2</sub>     | 5,0 · 10 <sup>-2</sup>           | 24 months        |
|                                    | O <sub>2</sub>      | 20,0 · 10 <sup>-2</sup>          |                  |
|                                    | N <sub>2</sub>      | 75,0 · 10 <sup>-2</sup>          |                  |
| <b>Lung Diffusion gas standard</b> |                     |                                  |                  |
| PRM code                           | Certified component | Nominal fraction range (mol/mol) | Stability period |
| MG-4                               | CO                  | 0,3 · 10 <sup>-2</sup>           | 24 months        |
|                                    | O <sub>2</sub>      | 20,0 · 10 <sup>-2</sup>          |                  |
|                                    | He                  | 9,0 · 10 <sup>-2</sup>           |                  |
|                                    | N <sub>2</sub>      | 70,7 · 10 <sup>-2</sup>          |                  |

Cylinder pressure 11,5 MPa, Cylinder valve outlet DIN 477 no. 1, Approximate deliverable volume 0,6 m<sup>3</sup>.