

Assay Performance Data

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|--|---|-----------------|----------------------------|--|---------------|---------|---------|------|---------|------|----------------------------|-------|-------|-------|----------------------------|--|---------------|---------|---------|------|----------|-------|----------------------------|
| Naam assay | Thiopurinen (6-TG, 6-MMP) in erythrocyten m.b.v. LC-MS/MS | | | | | | | | | | | | | | | | | | | | | | |
| Traceerbaarheid | | | | | | | | | | | | | | | | | | | | | | | |
| Gekalibreerd naar | Eigen standaard | | | | | | | | | | | | | | | | | | | | | | |
| Referentie-interval of afkapgrenzen | | | | | | | | | | | | | | | | | | | | | | | |
| Referentiewaarden (incl. herkomst) | Voor medicatie azathioprine en mercaptopurine <table border="0"> <tr> <td></td> <td>Therapeutisch</td> <td>Toxisch</td> <td>Eenheid</td> </tr> <tr> <td>6-TG</td> <td>300-600</td> <td>>600</td> <td>pmol/8x10⁸ RBC</td> </tr> <tr> <td>6-MMP</td> <td><5700</td> <td>>5700</td> <td>pmol/8x10⁸ RBC</td> </tr> </table> Voor medicatie thioguanine <table border="0"> <tr> <td></td> <td>Therapeutisch</td> <td>Toxisch</td> <td>Eenheid</td> </tr> <tr> <td>6-TG</td> <td>300-1250</td> <td>>2600</td> <td>pmol/8x10⁸ RBC</td> </tr> </table> Bron: http://tdm-monografie.org/monografie/thiopurines | | | | Therapeutisch | Toxisch | Eenheid | 6-TG | 300-600 | >600 | pmol/8x10 ⁸ RBC | 6-MMP | <5700 | >5700 | pmol/8x10 ⁸ RBC | | Therapeutisch | Toxisch | Eenheid | 6-TG | 300-1250 | >2600 | pmol/8x10 ⁸ RBC |
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| 6-TG | 300-600 | >600 | pmol/8x10 ⁸ RBC | | | | | | | | | | | | | | | | | | | | |
| 6-MMP | <5700 | >5700 | pmol/8x10 ⁸ RBC | | | | | | | | | | | | | | | | | | | | |
| | Therapeutisch | Toxisch | Eenheid | | | | | | | | | | | | | | | | | | | | |
| 6-TG | 300-1250 | >2600 | pmol/8x10 ⁸ RBC | | | | | | | | | | | | | | | | | | | | |
| Stabiliteit monster | | | | | | | | | | | | | | | | | | | | | | | |
| Onbewerkt monster - Kamertemperatuur - 4 °C - -20 °C Gewassen erythrocyten - Kamertemperatuur - 4 °C - -20 °C | Onbewerkt monster - Nee - 24 uur - Nee Gewassen erythrocyten - Nee - Nee - 3 maanden | | | | | | | | | | | | | | | | | | | | | | |
| Detectielimieten | | | | | | | | | | | | | | | | | | | | | | | |
| LoD (Limit of Detection) LoQ (Limit of Quantitation) | LOD: n.v.t. LOQ: 6-TG: 0,026 µmol/L 6-MMP: 0,10 µmol/L | | | | | | | | | | | | | | | | | | | | | | |
| Imprecisie | | | | | | | | | | | | | | | | | | | | | | | |
| 6-TG - Concentratie: 0,62 µmol/L - Concentratie: 3,21 µmol/L - Concentratie: 1,05 µmol/L 6-MMP - Concentratie: 3,34 µmol/L - Concentratie: 0,65 µmol/L - Concentratie: 24,13 µmol/L | 6-TG - CV (%): 4,10 - CV (%): 3,87 - CV (%): 4,43 6-MMP - CV (%): 3,72 - CV (%): 6,79 - CV (%): 3,94 | | | | | | | | | | | | | | | | | | | | | | |
| Meetbereik | | | | | | | | | | | | | | | | | | | | | | | |
| Meetbereik | 6-TG | tot 17,8 µmol/L | | | | | | | | | | | | | | | | | | | | | |
| | 6-MMP | tot 65,8 µmol/L | | | | | | | | | | | | | | | | | | | | | |
| Extern QC programma | | | | | | | | | | | | | | | | | | | | | | | |
| (Inter)nationaal extern QC programma | SKML (KKG) | | | | | | | | | | | | | | | | | | | | | | |
| Ingevuld door: A.R. Oosterloo-Duinkerken | Datum: 06-12-2024 | | | | | | | | | | | | | | | | | | | | | | |