GloPID-R report on Chikungunya, O’nyong-nyong and Mayaro virus, part I: biological diagnostics

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The GloPID-R (Global Research Collaboration for Infectious Disease Preparedness, <https://www.glopid-r.org/>) Chikungunya (CHIKV), O’nyong-nyong (ONNV) and Mayaro virus (MAYV) Working Group is investigating the natural history, epidemiology and medical management of infection by these viruses, to identify knowledge gaps and to propose recommendations for direct future investigations and rectification measures. This first report is dedicated to diagnostic aspects of CHIKV, ONNV and MAYV.

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| Kit | Company | Method | Published evaluation |
| Human Anti-CHIKV IgM ELISA Kit | Abcam | IgM ELISA | (1) |
| Chikungunya IgM ELISA Kit | CD Creative Diagnostics | IgM ELISA | NA |
| Chikungunya IgM µ-capture ELISA Kit | NA |
| CHIK IgM ELISA Test CE | CTK Biotech | IgM ELISA | (1) |
| Chikungunya IgM Combo Rapid Test CE | IgM-rapid test | (1–4) |
| [CHIKUNGUNYA IgM](http://www.diesse.it/en/Products/dettaglio:272/Chorus-Chikungunya) | Diesse | IgM ELISA | NA |
| Anti CHIKV IFFT | EUROIMMUN | IFT | (1,4,5) |
| Anti-CHIKV ELISA (IgM) | IgM ELISA | (1,2,6) |
| Chikungunya IgM µ-capture ELISA | GenWay | IgM ELISA | (1) |
| Chikungunya IgM µ-capture ELISA | IBL International | IgM ELISA | (2) |
| CHIKjj Detect™IgM ELISA Kit | InBios | IgM ELISA | (1,6) |
| NovaLisa Chikungunya IgM µ-capture ELISA | Novatec | IgM ELISA | NA |
| SD Chikungunya IgM ELISA | SD Standard Diagnostics | IgM ELISA | (1,7) |
| SD BIOLINE Chikungunya IgM | IgM - rapid test | (1–3,7) |

Supplementary data-Table 2. Commercially available tests for the detection of anti-CHIKV IgM antibodies.

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