Collect serum AND urine for all patients

Pregnant woman, regardless of symptoms

< 3 weeks after symptom onset or exposure
- rRT-PCR on urine and serum
  + Confirmed Zika infection
  - Dengue and Zika IgM
    (+/equivocal PRNT*)
  -+/-equivocal

3-12 weeks after symptom onset or exposure
- Dengue and Zika IgM
  (+/equivocal PRNT*)
  rRT-PCR on urine and serum
    + Confirmed Zika infection
    - Refer to PRNT results*

> 12 weeks after symptom onset or exposure
- Zika virus infection ruled out
  (+/equivocal PRNT*)
  rRT-PCR on urine and serum
    + Confirmed Zika infection
    - Refer to IgM and PRNT results*

Fetal abnormality?
- Yes
  Consider dengue and Zika IgM
- No
  Dengue and Zika IgM
    (+/equivocal PRNT*)
    rRT-PCR on urine and serum
      + Confirmed Zika infection
      - Refer to IgM and PRNT results*

*For interpretation of PRNT results, see: Rabe IB, Staples JE, Villanueva J, et al. Interim Guidance for Interpretation of Zika Virus Antibody Test Results. MMWR Morb Mortal Wkly Rep 2016;65. DOI: http://dx.doi.org/10.15585/mmwr.mm6521e1
Maryland Department of Health and Mental Hygiene Zika Diagnostic Testing Algorithm

Collect serum **AND** urine for all patients

- **< 3 weeks after symptom onset**
  - rRT-PCR on urine and serum
    - + Confirmed Zika infection
    - - Dengue and Zika IgM
      - +/equivocal PRNT*
        - +/equivocal Zika virus infection ruled out
        - -
      - - Obtain convalescent serum specimen and test for IgM
        - +/equivocal PRNT*
          - +/equivocal Zika virus infection ruled out
          - -
    - - Dengue and Zika IgM
      - +/equivocal
      - -

- **3-12 weeks after symptom onset or exposure**
  - Dengue and Zika IgM
    - +/equivocal PRNT*
      - +/equivocal Zika virus infection ruled out
      - -
    - -

- **>12 weeks after symptom onset or exposure**
  - Consider dengue and Zika IgM on case-by-case basis

*For interpretation of PRNT results, see: Rabe IB, Staples JE, Villanueva J, et al. Interim Guidance for Interpretation of Zika Virus Antibody Test Results. MMWR Morb Mortal Wkly Rep 2016;65. DOI: [http://dx.doi.org/10.15585/mmwr.mm6521e1](http://dx.doi.org/10.15585/mmwr.mm6521e1)