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## CHROMOSOME ANALYSIS OF AMNIOTIC FLUID

**Synonym(s):** KARYOTYPE AMNIOTIC FLUID

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|-----------------------------|--|
| <b>Lab Section Category</b> | <b>Cytogenetics – Prenatal</b><br>Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/cytogenetics.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/cytogenetics.aspx</a> ). |
| <b>Indications</b>          | <ul style="list-style-type: none"> <li>- Advanced maternal age (<math>\geq 35</math> years at EDD)</li> <li>- Abnormal ultrasound findings</li> <li>- Positive maternal serum screening</li> <li>- Previous history of chromosome abnormality</li> <li>- Family history of Down syndrome</li> <li>- Parental anxiety</li> </ul>                          |
| <b>Specimen Required</b>    | Amniotic fluid (15 – 25ml) from between the 15th and 16th week of gestation. Discard the first 2ml of the aspirate. Use a sterile 25 or 30ml syringe. Draw and transfer the specimen into two sterile screw-capped 15ml V-shaped tubes. Bloody specimens are undesirable. If growth is inadequate, you will be notified within 14 days of receipt.       |
| <b>Test Result</b>          | Normal or Abnormal. If Abnormal, the karyotypic abnormality is described in accordance to the International System for Human Cytogenomic Nomenclature (ISCN, 2016).  |
| <b>Turnaround Time</b>      | 8 ~ 14 days  |
| <b>Day(s) Test Set up</b>   | Monday - Saturday (office hours)   |
| <b>Remarks</b>              | Indicate clearly the clinical indications, gestation age, LMP, EDD and volume of fluid taken on the cytogenetics request form or CPOE. Do not despatch a specimen near a weekend or a public holiday to avoid unnecessary delays.  |

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### Change History Notes

- **08 Dec 2015 08:31 AM**  
Updated Turnaround Time: 8 ~ 14 days

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- **06 Jul 2017 10:50 AM**  
Updated the test result for ISCN, 2013 to ISCN, 2016

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