Cystic Fibrosis Newborn Screening – Blood Specimen Collection

1. **Baby born outside hospital**
   - **Midwife/caregiver informs mother of NBS Protocol**

2. **Baby born in hospital**
   - **Nurse/caregiver informs mother of NBS Protocol**
     - Baby stays > 24 hours post partum?
       - No
         - Caregiver suggests NBS test after discharge
           - **Mother agrees to NBS test?**
             - Yes
               - **Identify baby for IRT test**
             - No
               - **END**
     - Yes
       - **Mother agrees to NBS test?**
         - Yes
           - **Procure blood specimen**
         - No
           - **END**

3. **Sample to lab**
   - Sample satisfactory?
     - Yes
       - **IRT/DNA Method**
     - No
       - **IRT/IRT Method**

4. **IRT/DNA Method**
   - **Lab runs IRT analysis**
     - Lab informs PCP of value and "No CF"
       - Yes
         - IRT measured in low 90%?
           - Yes
             - IRT measured >100 ng/ml
               - No
                 - **PCP informs patient "No CF"**
               - To Page 2 for IRT/DNA method
             - To Page 2 for IRT/IRT method
           - No
             - **FM XX is failure mode number from list**
         - To Page 2 for IRT/DNA method
     - No
       - **Lab informs PCP of value and "No CF"**
         - Yes
           - **Patient designated as "No CF"**
         - To Page 2 for IRT/IRT method

5. **IRT/IRT Method**
   - **Lab informs PCP of value and "No CF"**
   - To Page 2 for IRT/IRT method

**Age 1-3 days**