Cystic Fibrosis (CF) Newborn Screening Process for Providers

Step 1: Newborn Screening blood spot completed

Step 2: IRT Level Obtained

If IRT is NORMAL:
CF Screening is Complete*.

If IRT is elevated, this can indicate CF, a stressful birth, prematurity, or other factors.
This is not a diagnosis, but a signal that further testing is needed. There is no action for you to take at this step.

Step 3: CFTR DNA Analysis

The lab screens the same NBS blood spot sample for 139 gene variants causing CF. The results will determine if further action is needed. When testing is complete, the results will be added to the state lab online portal (CELR).

Check portal before 2 week well visit.

If no CFTR Variants are detected (and no family history or CF symptoms):
No further steps are needed.

If testing identifies at least 1 CF-causing gene variant:
You will be notified and given further instruction about how to make an appropriate referral to an accredited CF Center.

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES
Division of Child and Family Well-Being

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