NEW REPORTING PROCESS FOR CYSTIC FIBROSIS TESTS

IRT WITHIN NORMAL LIMITS (IRT < 65)
When IRT is within normal range, DNA testing is not performed. The report will indicate “IRT within Normal limit”

ELEVATED IRT (between 66 and 149) - NO MUTATION DETECTED
When IRT is elevated, DNA testing will be performed using a panel of 46 mutations. If no mutations are detected, the following information will be reported:
IRT = Elevated
DNA = No mutations detected:
   “Elevated IRT may be due to reasons other than CF, such as (but not limited to) prematurity, low birth weight, increased stress at birth. No further testing is necessary unless there are clinical signs for CF.”

Elevated IRT (between 66 and 149) and High IRT (greater than 150)
When IRT is greater than 65, DNA testing will be performed using a panel of 46 mutations. Lab report will indicate the name of DNA mutation(s) detected.
   “One Mutation detected”: this baby is at increased risk for CF. Contact Phoenix CF Center at 602-933-0985 or Tucson CF Center at 520-626-7780 to arrange for a diagnostic sweat test (pilocarpine iontophoresis). Please note that CF testing will not be performed on the second screen; these are the final screening results.

   “TWO Mutations detected”: the presence of two Cystic Fibrosis mutations is consistent with CF. Contact Phoenix CF Center at 602-933-0985 or Tucson CF Center at 520-626-7780 to arrange for a diagnostic sweat test (pilocarpine iontophoresis) and for respiratory therapeutic management. Please note that CF testing will not be performed on the second screen; these are the final screening results.

High IRT (greater than 150) NO MUTATION DETECTED
   “Results may be indicative of Cystic Fibrosis due to CFTR mutation not included on the panel. Contact Phoenix CF Center at 602-933-0985 or Tucson CF Center at 520-626-7780 to arrange for a diagnostic sweat test (pilocarpine iontophoresis) and for respiratory therapeutic management. Please note that CF testing will not be performed on the second screen; these are the final screening results performed by the state laboratory.”