RiboFlow™
Cronobacter

For safer infant formula

- Reliable
- Simple
- Rapid
- Safe
- Economic

Medalled technology
The genus Cronobacter described in 2008 comprises six species:

- *C. sakazakii*
- *C. malonicus*
- *C. muytjensii*
- *C. dublinensis*
- *C. turicensis*
- *C. genomospecies 1*

Known as neonatal pathogens, Cronobacter spp. are regarded as causative agents of meningitis, septicaemia or necrotising enterocolitis in infants with a rather high mortality.

Contaminated powdered infant formula has been identified as the most likely vehicle of transmission for Cronobacter spp. associated with hospital outbreaks.

With Riboflow™ Cronobacter SY-LAB provides a rapid and accurate detection system for Cronobacter spp.

Thus enabling an efficient in-process-control of manufacturing plants as well as a powerful risk assessment and -management with respect to Cronobacter relevant food borne diseases.
**Reliable**

Proven molecularbiological technology
Novel rRNA based highly specific pathogen detection system.

**Simple**

Simple to perform.
No instrumentation necessary.

**Rapid**

Results available in < 30 hours.

**Safe**

Unsurpassed specificity;
Enrichment broth without Laurylsulfate and Crystal Violet.
No cross reaction from Enterobacteriacea competitors.

**Economic**

No capital costs.
Minimal hands on time.
Affordable rapid assay costs.
test procedure

1. Standard sample enrichment in Buffered Peptone Water at 37° C for 16-20 hours.
2. Selective enrichment in SY-LAB Cronobacter Enrichment Broth (CEB) at 42° C for 12-20 hours.
3. Transfer 0.5 ml of the CEB enrichment to Micro-centrifuge cups and centrifuge for 5 minutes.
4. Discard supernatant, add lysis and denaturation reagents.
5. 5 min incubation at room temperature followed by addition of 60 µl running buffer.
6. Transfer 100 µl to a RiboFlow™ Cronobacter test device, incubate at 37° C and read results after max. 15 minutes.

**typical results:**
Negative test result (L)
Positive test result (r.)
A combined protocol for the use with the BacTrac 4300 impedance analyzer is also available.

The test can also be used to confirm suspicious colonies from agar plates within 3-5 hours.
ordering
information

51-416113  RiboFlow™ Cronobacter 24 Tests
41-441450  Cronobacter Enrichment Broth,
           60 vials a 9 ml incl. Vancomycin
41-430012+ Screw caps, white, sterile 40 pcs/pack.

SY-LAB

– We develop solutions for a safer future! –

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