

# RiboFlow™ Cronobacter



For safer  
infant formula

- *Reliable*
- *Simple*
- *Rapid*
- *Safe*
- *Economic*



*Medalled  
technology*

**SY-LAB**

# safer infant formula

The genus Cronobacter described in 2008 comprises six species:

- *C. sakazakii*
- *C. malonaticus*
- *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.

# your benefits

## 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 Bufferd 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.)*

## Note

*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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## SY-LAB