# 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.

SY-LAB

# 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.

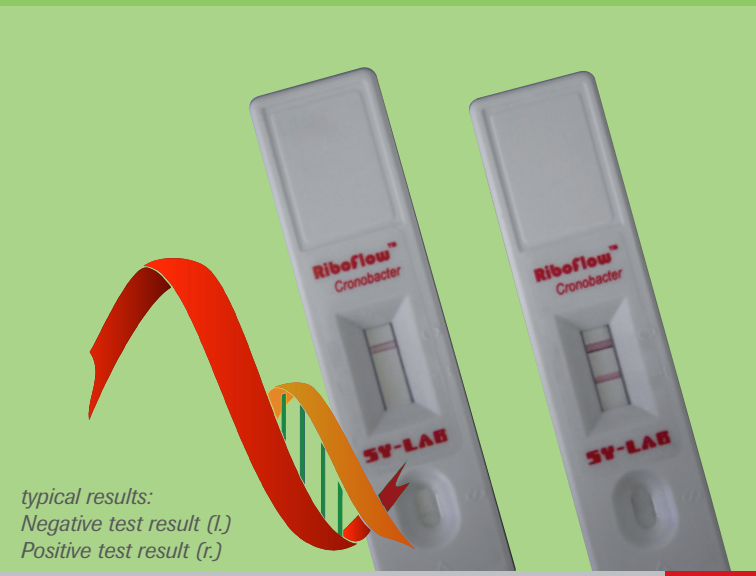
## Economic

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

SY-LAB

# 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.)*

SY-LAB

## 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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Version 2.0 gb

# RiboFlow™ Salmonella

## For safer foods

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


*Award winning technology*

SY-LAB

# Safer **foods**

The Salmonella group includes more than 2000 different serotypes. Salmonella associated infections (Salmonellosis) are among the world most frequently observed bacterial diarrhea.

The Salmonella serovars Salmonella Enteritidis and Salmonella Typhimurium are of major epidemiological importance.

Salmonellas are transmitted mainly through foods of animal origin, which are consumed raw or insufficiently heated.

Meat products, eggs and egg products, milk and dairy products, fish products, shellfish, ice cream, salads, spices and chocolate are among the products, responsible for the transmission of Salmonella to humans.

With Riboflow™ Salmonella SY-LAB provides a rapid and accurate detection system for Salmonella spp. to enable a tight risk assessment and management concerning Salmonella associated food borne diseases.

SY-LAB

# 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 < 24 hrs

## Safe

Unsurpassed specificity;
No cross reaction from Enterobacteriacea competitors

## Economic

No capital costs
Minimal hands on time
Affordable costs

SY-LAB

# Test **procedure**

1. Overnight enrichment in One Bouillon Salmonella (Oxoid) at 42°C for 18 – 20 hrs.
2. Optional: additional enrichment in SREB (Salmonella Rapid Enrichment Broth) at 42°C for 4 – 5 hrs
3. Transfer 0,5 ml of the One Bouillon or SREB enrichment to microcentrifuge vials and centrifuge for 5 min at min. 2000 x g.
4. Discard supernatant, add lysis reagent
5. 5 min. extraction step
6. Incubate with denaturation reagent for 5 min., add 100µl running buffer
7. Apply sample to a RiboFlow™ Salmonella test device, incubate at 37°C and read results after 15 minutes


*typical results:*
*Negative test result (l.)*
*Positive test result (r.)*

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## Note

- *A combined protocol for the use with the BacTrac 4300 impedance analyzer is also available.*
- *The test can also be performed out of selective enrichment cultures from conventional Salmonella analysis according to ISO 6579*
- *The test can also be used to confirm suspicious colonies from agar plates within 3 – 5 hrs.*

# Ordering **information**

| | |
|---|---|
| **51-415113** | RiboFlow™ Salmonella 24 Tests |
| **41-472100** | Oxoid One Bouillon Salmonella, 500g incl. Additiv |
| **41-472017** | Salmonella Rapid Enrichment Broth (SREB), box with 60 vials |
| **41-430012+** | Screw caps, white, sterile, 40 pcs/ pack |

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