Condalab

Reference: 4075 **Technical Data Sheet**

Product: **SGQ+ BROTH**

Specification

Liquid medium for for low acid beverage spoiling microorganism, specially for *Dekkera spp.*

Presentation

	Packaging Details	Shelf Life	Storage
20 Tubes Tube 16 x 113 mm with: 10 ± 5 ml	1 box with 20 tubes, 16x113 mm glass tubes, ink labelled and metal-Non injectable cap.	12 months	8-25 ºC

Composition

Composition (g/l):

D(+)Glucose	20.00
Yeast Extract	3.50
Casein Peptone	2.00
Ammonium sulfate	2.00
Magnesium sulfate	1.00
Potassium dihydrogenphosphate	1.00
Sorbic acid	0.15

Description /Technique

The presence of spoiling microorganisms is indicated by turbid growth in the broth, after the incubation in the standardized conditions for every industry.
The Linden Grain Broth is designed for media fill process simulation for beverage bottling (also known as Aseptic Conditioning Testing) in the modern beverage industry. The medium permits the growth of organisms that can spoil low acid beverages.

Liquid medium formulated according to specifications customer.
Use the medium according to intended purpose, samples and validated methods.

Quality control

Physical/Chemical control

Color : Pale yellow pH: 4.3 ± 0.2 at 25ºC

Microbiological control

Inoculate:Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity).

Microbiological control according to ISO 11133:2014/A1:2018.

Aaerobiosis. Incubation at 25 ºC ±1, reading at 72 h to 5 days.

Microorganism	Growth
Dekkera spp.	Good
Dekkera bruxellensis ATCC® 36234	Good

Sterility Control

Incubation 48 hours at 30-35 ºC and 48 hours at 20-25 ºC: NO GROWTH.
Check at 7 days after incubation in same conditions.

Bibliography

. ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

. SYPOSS, Z. (2003) The role of risk analysis in the Food Quality & Safety Management Systems. Ph. D. Thesis. Department of Postharvest. Faculty of Food Sciences. Szent István University. Budapest

. SYPOSS, Z. & J. TORNAI-LEHOCZKI (2003) Application of acidified (pH 4,5) Linden Grain Medium as a microbiological validation tool in the Aseptic Beverage PET Technology. 23rd International Specialized Symposium on Yeasts (ISSY 23). Budapest, Hungary. Food Microbiology 86(1-2):2003:1-212.