

# S-9/Cofactor C set

For chromosomal abnormality

## Feature

- Does not need decolonization removal after thawing, because it's a sterility frozen.
- Dispense ratio of S-9 and cofactor is practical, so mixture is easy.
- S-9 and cofactor is not mixed so it can be used for test by changing mixing conditions. Moreover during storage, unknown reaction of S-9 and cofactor do not occur.
- Sold in sets so, purchase and inventory control is easy.

## Preparation for S-9

Our S-9 is from SD (Sprague Dawley) male rat (180 g~200 g) raised in SPF environment for 7 weeks. Moreover administer the combination of phenobarbital, 5,6-benzoflavone as induction agent, extirpate the liver and prepare. PB is injected to peritoneal cavity everyday from 4 days before the date of slaughter and BF is injected to peritoneal cavity once 2 days before the date of slaughter. Extirpate the liver sterily, centrifuged (in 9,000×g) after homogenation and collect the supernate fraction. This preparation method follows the method of Ames (1975).

## Contents of Cofactor-C

Components	Volume of Cofactor C 4.69 mL
20 mmol/L HEPES buffer (pH 7.2)	1.34 mL
50 mmol/L MgCl <sub>2</sub> solution	0.67 mL
330 mmol/L KCl solution	0.67 mL
50 mmol/L G-6-P solution	0.67 mL
40 mmol/L NADP(Na <sub>2</sub> ) solution	0.67 mL
Purified water	0.67 mL

## Storage

Keep below -80°C immediately after arrival

## OYC No./Package

OYC No.	Package
49097000	Packed in dry ice
	S-9 (rat liver homogenate) : 2 mL×3 bottles
	Cofactor C : 4.7 mL×3 bottles

We accept single orders of Cofactor-C for chromosomal abnormality (orders above 30 mL).

(Research reagent use only, not for medical use.)

# NBR Agar

Medium for Ames test

(Certified Agar for Minimum Glucose Agar Plate Medium)

## Feature

It is invented for minimum glucose agar plate culture medium. We deliver agar which is made of carefully selected source, and passed the 12 items of standard and guaranteed by Ames test. Ames test confirms about quercetin reactivity, solvent contrast value positive control value.

## Volume of contents

500 g

## Storage condition

Room temperature

## Shelf life

Two years from manufacturing date

## Specification

Water content	≤12.0%
Particle size	100 mesh path ≤90%
pH	7.0±0.6 (1.5% sol)
Jelly strength	900±50 g/cm <sup>2</sup> (1.5%)
Sol viscosity	8.0±2.0 mPa·s (85°C)
Freezing point	35.0±2.0°C (1.5% sol)
Melting point	93.0±2.0°C (1.5% gel)
Transparency	≥90.0% (1.5% sol 655 nm)
Ash	≥1.5%
Ca	≤0.3%
Fe	≤60 ppm
Sulfate group	≤0.8%

## OYC No./Package

OYC No.	Package
49502000	500 g

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