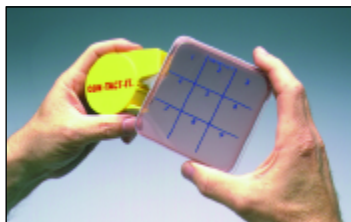


BIRKO CON-TACT-IT® Bacteria Detection System System Makes Bacteria Sampling Easy, Precise and Economical.



1. Pull a fresh piece of tape from the Con-Tact-It® dispenser and press it on the surface to be tested.



2. Then press it on one of the squares on the petri-plate. Leave one square empty on each plate for a control. Replace the cover.



3. Record the surface area tested and the petri plate grid number for reference.



4. Incubate as directed in the Labline 100 incubator. Read your test in 18 to 24 hours.

Con-Tact-It® is a Registered Trademark of Birko Corporation, Henderson, CO USA

- Excellent for monitoring sanitation programs.
- Can also be used to detect airborne contaminants.

No special training is needed! Anyone can learn to run semi-quantitative bacteria checks in a matter of minutes and get accurate, reliable results with Birko's easy-to-use bacteria detection system for environmental surfaces.

Advantages of the Con-Tact-It® System

- Costs less than 50¢ per test.
- Culture plates are guaranteed for 90 days.
- Selective/differential media is available. Agar plates are available to test for:
 - staph - coliforms - yeast - mold
 - most other bacteria you may be interested in monitoring.
- Results can be read by eye, without magnification.

Complete Starter Kits

The Con-Tact-It® Starter Kit includes a **Labline 100** incubator, 2 rolls of sampling tape, 46 standard methods plates and instructions. Inquire for price.

Supplies

I00009	Con-Tact-It Tape Samplers	\$4.50/ each		
I00014	PDA Plates	\$2.50/ each	46 per case	\$115.00
I00017	SCPA Plates	\$3.00/ each	46 per case	\$138.00
I00018	STD Plates	\$2.50/ each	46 per case	\$115.00
I00021	TJA Plates	\$2.50/ each	46 in a case	\$115.00
I00012	Con-Tact-It Incubator	\$550.00		

See the Notes on Agars on the back. Same day shipping of kits and petri-plate orders.

Labline 100 Incubator

The Birko Con-Tact-It® Kit features a **Labline 100** incubator, designed to meet the requirements of teaching and clinical laboratories:

- Adjustable bimetallic thermostat controls temperature.
- Manufactured from durable, enamel coated, heavy gauge steel.
- Metal sheathed heaters eliminate the hazards of open wire internal heating elements.
- Corrosion resistant aluminum chamber, insulated with 1" (2.5cm) of fiberglass insulation for temperature uniformity.
- Insulated metal door with a positive latch and vinyl gasket provides an excellent seal.
- Red, spirit-filled thermometer contains no mercury and is accurate to NIST tolerances.
- Pilot light indicates when heaters are energized, allowing you to be confident that the unit is operating.
- U.L. listed.

Additional specifications and Con-Tact-It® information on the reverse side.



BIRKO Corporation



Notes on Birko Con-Tact-It® Agars

Standard Methods Growth Medium (STD)

Standard Methods Agar is an all-purpose, enriched medium that supports the growth of most organisms encountered in the food processing plant. After incubation for 24-48 hours at a temperature of 35° C. contamination levels can be quantified. In some cases, presumptive identification can be made according to colony morphology and pigmentation.

Potato Dextrose Agar (PDA)

Potato Dextrose Agar is a selective medium for growth of yeast and mold because of its acidic pH (which inhibits most bacteria). Thus, growth observed between 24 and 48 hours at 35° C. can be considered yeast or mold. Continued incubation will generally result in typical colony morphology. Yeast and molds can be grown on Potato Dextrose Agar at a temperature of 35° C., however, room temperature incubation for one to two weeks is suggested for specific identification of microorganisms.

Salmonella, Coliform, Proteus Agar (SPCA)

Salmonella, Coliform, Proteus Agar is a selective growth medium for gram-negative organisms and generally differentiates, non-Typhi *Salmonella*, coliform and *Proteus* bacteria. Non-Typhi species of *Salmonella* form bright red colonies, *E. coli* form bright blue colonies and *Proteus* form colorless or uncolored colonies. An incubation temperature of 35° C. is recommended, incubation should not exceed 48 hours. The bright red color for *Salmonella* and the bright blue color for *E. coli* may require 48 hours of incubation to fully develop.

Tomato Juice Agar (TJA)

Tomato Juice Agar is available in the Con-Tact-It® system as a differential growth medium for direct plate count and cultivation of *Lactobacillus*. This microorganism is commonly used in or isolated as a contaminant in food processing. *Lactobacillus* does not grow well on agars such as Standard Methods Medium, but grows luxuriantly at 35° C. on Tomato Juice Agar. Plates should be read after 24 hours incubation and then discarded.

Birko Con-Tact-It®Tape for Product Sampling

A recent study at Iowa State has used Birko's Con-Tact-It® tape for rapid testing for *Salmonella* on tomatoes. Other vegetables and fruits may be sampled in the same manner. A full-text pdf of this study is available at the AEM (Applied and Environmental Microbiology) website:

<http://aem.asm.org/cgi/content/abstract/AEM.01944-08v1>

Microbial Detection and Control Laboratory, Department of Food Science and Human Nutrition,
Iowa State University,
Simple Adhesive-Tape-Based Sampling of Tomato Surfaces
Combined with Rapid Fluorescence In Situ Hybridization for *Salmonella* Detection

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Labline 100 Specifications:

- Operating Temp Range: Ambient +5° C to 40° C
- Temperature Control: +/-1° C at 37° C
- Temperature Uniformity: +/-1° C at 37° C
- Chamber Volume: 19 liters
- Chamber Dimensions (W x H x D):
30 x 20 x 30 cm
- Overall Dimensions (W x H x D):
34 x 30 x 37 cm
- Weight: 7 kg
- One perforated aluminum fixed shelf
- 120V
- Amps: 0.8
- Watts: 100
- 50/60 Hz