



# HygieneChek™ PLUS

## Dip-Slides

Dip-slides – also known as contact slides – are semi-quantitative, culture-based analytical tools designed for the monitoring of microbial contamination in the production environment. HygieneChek™ PLUS dip-slides include a range of different agar types.

### How the test works

Our dip-slides are ready-to-use, and the testing protocol requires little expertise to execute. Unlike quantitative cultures, testing with dip-slides can be carried out regardless of access to a microbiology laboratory. HygieneChek™ PLUS dip-slides are compliant with the requirements laid out for testing materials of their kind in ISO 18593:2018.

Testing with the HygieneChek™ PLUS dip-slides follows a three-step procedure: (1) surface inoculation of the agars by one of several techniques, according to sample type; (2) incubation of the dip-slides at the required temperatures, from 1 to 10 days, depending on the microorganisms of interest; and (3) assessment of microbial growth and expression of results.

Although most sample types can be tested with the HygieneChek™ PLUS dip-slides, surfaces and liquids are the most appropriate. Flat surfaces and non-viscous liquids can be tested through direct inoculation, whereas other sample types require sampling or sample preparation steps to be carried out before inoculation onto the dip-slides.

Though a semi-quantitative technique, testing with dip-slides produces results that are comparable in magnitude to quantitative methods employing agar plates. Therefore, HygieneChek™ PLUS dip-slides can be used to estimate microbial counts and observe trends in contamination in compliance with implemented monitoring guidelines. If no change in contamination patterns is observed, the dip-slide may be discarded to avoid further time-consuming and costly workup. Alternatively, it may be sent to a competent microbiology laboratory for further investigation.



## Features and Benefits

### Convenient and practical

- No agar preparation or rehydration
  - Long shelf life
  - No expensive equipment
  - No special skills needed
  - 10 cm<sup>2</sup> agar surface area on each paddle side
- easy calculation of results

### Suitable for on-site testing

- Made of shatter-resistant plastic
- no risk of dangerous foreign bodies
- Robust, airtight container
- no risk of facility contamination
- No need for access to a microbiology laboratory

### Broad spectrum of applications

- Suitable for most environmental sample types
- flat and non-flat surfaces, liquids
- Wide range of agar types
- allows testing for most relevant microorganisms



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## Dip-Slides

Carefully read the instructions for use before performing any test.

1a



1b



1c



1d



Sample surfaces (1a, 1c or 1d) or liquids (1b or 1d).

2



Incubate.

3



Interpret results.

### Ordering Information

Item	Description	Item No.	Storage	Incubation regime <sup>1,2,3</sup>	
Total Count TTC/Total Count TTC	10 pcs/box	10000232	2 – 25 °C	30 – 37 °C	24 – 72 h
Total Count TTC/Coliforms	10 pcs/box	10000233	2 – 25 °C	30 – 37 °C	24 – 72 h
Total Count TTC/ <i>Enterobacteriaceae</i>	10 pcs/box	10000234	2 – 25 °C	30 – 37 °C	24 – 72 h
Total Count TTC/Yeasts & Molds	10 pcs/box	10006523	2 – 25 °C	30 °C	2 – 5 d
Yeasts & Molds/Yeasts & Molds	10 pcs/box	10003472	2 – 25 °C	25 °C	3 – 7 d
<i>Enterobacteriaceae</i> / <i>Enterobacteriaceae</i>	10 pcs/box	10003479	2 – 25 °C	30 – 37 °C	24 h
Coliforms/Coliforms	10 pcs/box	10003480	2 – 25 °C	30 – 37 °C	24 h
Coliforms/Yeasts & Molds	10 pcs/box	10003481	2 – 25 °C	30 °C	1 – 5 d
<i>E.coli</i> -Coliforms/ <i>E.coli</i> -Coliforms	10 pcs/box	10003484	2 – 8 °C	37 – 44 °C	24 h
Disinfection Control/Disinfection Control	10 pcs/box	10003483	2 – 25 °C	30 – 37 °C	24 – 48 h
Lactic Acid Bacteria/Lactic Acid Bacteria	10 pcs/box	10006598	2 – 25 °C	30 °C	48 – 72 h
<i>Salmonella</i> / <i>Salmonella</i>	10 pcs/box	10003485	2 – 8 °C	37 °C	24 h
<i>Listeria</i> / <i>Listeria</i>	10 pcs/box	10006597	2 – 8 °C	37 °C	24 – 48 h
<i>Staphylococcus</i> / <i>Staphylococcus</i>	10 pcs/box	10006971	2 – 25 °C	37 °C	24 – 48 h
Thermocult, small-size incubator (230 V)	1	10003821			

<sup>1</sup> Actual incubation conditions are chosen based on scope and process-specific requirements (see HygieneChek™ PLUS Instructions for Use);

<sup>2</sup> For two-parameter items, intermediary counts must be executed if one of the agars has a shorter incubation time;

<sup>3</sup> Incubation for total counts and/or yeasts and molds can also be conducted at 7 °C for up to 10 d when psychrotrophic microorganisms are sought.