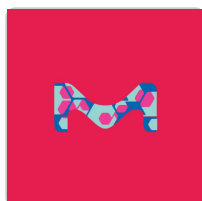


**Brighten up your lab coat!**

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.

[GET YOURS HERE](#)

[Toutes les photos](#) (1)

Documents



FDS



COO/COA



Fiche des caractéristiques

**MP0035** ▶ **Sigma-Aldrich**

## LookOut® Mycoplasma PCR Detection Kit

★★★★★ 5.0 (1)

Optimized for use with JumpStart™ Taq DNA Polymerase, D9307.

Synonyme(s):

PCR-based mycoplasma screening

NACRES:

NA.75

| Référence  | Conditionnement | Disponibilité                                   | Prix     | Quantité                            |
|------------|-----------------|-------------------------------------------------|----------|-------------------------------------|
| MP0035-1KT | 1 KIT           | ✓ Disponible pour expédition le 07 octobre 2022 | 427,00 € | <div><div>-</div><div>+</div></div> |

[Détails...](#)



[Demander une commande en gros](#)

[Ajouter au panier](#)

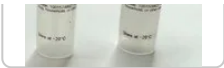
## PRODUITS RECOMMANDÉS

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



Consulter le prix et la disponibilité

Consulter le prix et la disponibilité

PROPRIÉTÉS

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Qualité                | Not suitable for clinical diagnostic use. Will not detect clinically relevant species such as <i>M. pneumoniae</i> and <i>U. urealyticum</i> |
| Niveau de qualité      | 100                                                                                                                                          |
| Conditionnement        | pkg of 1 kit                                                                                                                                 |
| Conditions de stockage | dry at room temperature                                                                                                                      |
| technique(s)           | PCR: suitable                                                                                                                                |
| application(s)         | detection<br>microbiology                                                                                                                    |
| Compatibilité          | Optimized for use with JumpStart™ Taq DNA Polymerase, D9307.                                                                                 |
| Temp. de stockage      | 2-8°C                                                                                                                                        |

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



## Description générale

The LookOut<sup>®</sup> Mycoplasma PCR Detection Kit utilizes the polymerase chain reaction (PCR), which is established as the method of choice for highest sensitivity in the detection of *Mycoplasma*, *Acholeplasma*, and *Ureaplasma* contamination in cell cultures and other cell culture derived biologicals. Kit has been successfully tested for the ability to amplify *Mycoplasma fermentans* genomic DNA in concentrations of 20,000 to 20 copies.

The reaction tubes included with the kit are pre-coated with appropriate dNTPs, primers, and loading dye. Total assay time is greatly reduced compared to general protocols that require individual loading of reaction tubes.

## Application

### Mycoplasma PCR Detection Kit Video Protocol

The LookOut<sup>®</sup> Mycoplasma PCR Detection Kit has been used for screening of mycoplasma infection.

## Compatibilité

The kit has been optimized for use with Product No. D9307. Any DNA polymerase with a 3'-5' exonuclease activity is NOT recommended. These include Tli, Pfu, and Pwo. Those DNA polymerases that may be used include Taq, Tfl, and Tth.

## Informations légales

JumpStart is a trademark of Sigma-Aldrich Co. LLC

LookOut is a registered trademark of Sigma-Aldrich Co. LLC

## PRODUITS APPARENTÉS

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE 

JumpStart™ Taq DNA Polymerase, with MgCl<sub>2</sub>

[View Pricing](#)

08168

Timestrip Plus™ 8 °C

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de  
stockage

10 - Combustible liquids

WGK  
WGK 3

Flash Point(F)  
Not applicable

Point d'éclair C  
Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



## Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

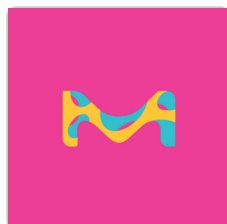
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

## LES CLIENTS ONT ÉGALEMENT CONSULTÉ



SAFC

**L9042**

LookOut® DNA Erase

Refill

Consulter le prix et la disponibilité

## QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



### What is the difference between Product No. MP0025 (VenorGem Mycoplasma Detection Kit) and Product No. MP0035 (LookOut Mycoplasma Detection Kit)?

The assay kits have a similar range of species detected (see product insert for listing). For Product No. MP0025, the components are supplied as individual reagents. For Product No. MP0035, the components are supplied in reaction tubes, already mixed and ready for addition of sample and Taq. The internal control for Product No. MP0035 is at 481 bp rather than 191 bp as found in Product No. MP0025.

### How many tests can be performed with Product MP0035, LookOut® Mycoplasma PCR Detection Kit?

The kit contains 8 positive control reaction tubes and 24 test reaction tubes. A positive control and negative control should be run with each assay. Depending upon the number of samples run with each assay, the kit could test up to 24 samples.

### Which species of Mycoplasma will Product MP0035, LookOut® Mycoplasma PCR Detection Kit, recognize?

Detection of all mycoplasma species tested so far and usually encountered as contaminants in cell cultures. This kit will detect *A. laidlawii*, *M. agalactiae*, *M. arginini*, *M. arthritidis*, *M. bovis*, *M. cloacae*, *M. falconis*, *M. faucium*, *M. fermentans*, *M. hominis*, *M. hyorhinae*, *M. hyosynoviae*, *M. opalescens*, *M. orale*, *M. primatum*, *M. pulmonis*, *M. salivarium*, *M. spermatophilum*, *M. timone*. This kit is not suitable for detection of *M. pneumoniae*, *U. urealyticum*, or other clinically associated species.

### How much DNA is necessary for use with Product MP0035, LookOut® Mycoplasma PCR Detection Kit?

Detection of Mycoplasma sp. requires less than 5 mycoplasma genomes per microliter of sample. This is approximately 1-5 fg of DNA.

### When using Product MP0035, LookOut® Mycoplasma PCR Detection Kit, there is no band for the internal control?

When a customer observes a band with the positive control and no band for the negative control, it is possible that the Taq could be the problem. We observe a lack of sensitivity with some polymerases from other manufacturers. The activity of the polymerases was enough to amplify the positive control but not the internal amplification control. The internal amplification control is the meter for the sensitivity of the PCR and the activity of the Taq used. The positive control contains more DNA and is good for result evaluation, only. We recommend that the customer use Jump Start Taq (Product No. D9307) as indicated in the protocol.

### Product MP0035, LookOut® Mycoplasma PCR Detection Kit does not contain TAQ. What DNA polymerase should be used?

The kit has been optimized for use with Product No. D9307. Any DNA polymerase with a 3'-5' exonuclease activity is NOT recommended. These include Tli, Pfu, and Pwo. Those DNA polymerases that may be used include Taq, Tfl, and Tth.

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



### How do I find price and availability:

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

### What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

### My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

---

## ARTICLES REVUS PAR DES PAIRS

### Generation of two control iPSC clones NCCSi008-A and NCCSi008-B from an individual of Indian ethnicity.

**Arun Vaidyanath et al.**

*Stem cell research, 45, 101765-101765 (2020-04-22)*

Two iPSC clones, NCCSi008-A and NCCSi008-B, were generated from a healthy male individual of Indian origin by reprogramming his CD4+ T cells with an integration free Sendai viral vector. The established iPSC clones showed high alkaline phosphatase (ALP) activity, expression

---

### FTY720 (fingolimod) sensitizes prostate cancer cells to radiotherapy by inhibition of sphingosine kinase-1.

**Dmitri Pchejetski et al.**

*Cancer research, 70(21), 8651-8661 (2010-10-21)*

Radiotherapy is widely used as a radical treatment for prostate cancer, but curative treatments are elusive for poorly differentiated tumors where survival is just 15% at 15 years. Dose escalation improves local response rates but is limited by tolerance in

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



*Stem cell research, 45, 101781-101781 (2020-04-20)*

We generated an induced pluripotent stem cell (iPSC) line from fibroblasts of a clinically diagnosed 70 year old female Parkinson's disease (PD) patient heterozygous for a pathogenic missense variant (p.G2019S; c. 6055 G > A) in the leucine-rich repeat kinase 2 (LRRK2) gene

---

## Immunometabolic Network Interactions of the Kynurenine Pathway in Cutaneous Malignant Melanoma.

**Soudabeh Rad Pour et al.**

*Frontiers in oncology, 10, 51-51 (2020-03-03)*

Dysregulation of the kynurenine pathway has been regarded as a mechanism of tumor immune escape by the enzymatic activity of indoleamine 2, 3 dioxygenase and kynurenine production. However, the immune-modulatory properties of other kynurenine metabolites such as kynurenic acid, 3-hydroxykynurenine

---

## Mechanisms of toxicity induced by SiO<sub>2</sub> nanoparticles of in vitro human alveolar barrier: effects on cytokine production, oxidative stress induction, surfactant proteins A mRNA expression and nanoparticles uptake.

**Lucian Romeo Farcas et al.**

*Nanotoxicology, 7(6), 1095-1110 (2012-07-10)*

An in vitro human alveolar barrier established by the coculture of epithelial human cell line NCI-H441 with endothelial human cell line ISO-HAS1 was used to evaluate the effects of amorphous silicon dioxide nanoparticles (SiNPs), in the presence or absence of

---

[Afficher tous les articles scientifiques apparentés](#)

---

# PROTOCOLES ET ARTICLES SCIENTIFIQUES

## Articles

### Mycoplasma Detection and Elimination in Cell Culture



## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



Review the basics of using fetal bovine (or calf) serum for cell culture and how sourcing and regulations affect the price of sera for cell-based assays.

## Protocoles

### Optimized PCR-based Detection of Mycoplasma

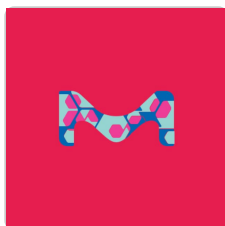
Mycoplasma contamination of cell cultures is a serious issue impacting cell model validity. PCR testing for mycoplasma is an inexpensive, sensitive, and specific method for detecting contamination.

## Contenu apparenté

### Fetal Bovine Serum that makes the grade.

Discover our comprehensive portfolio of fetal bovine sera (FBS) and determine the right FBS for your lab needs and budget. Learn about how global events affect FBS pricing.

## PRODUITS CONSULTÉS RÉCEMMENT

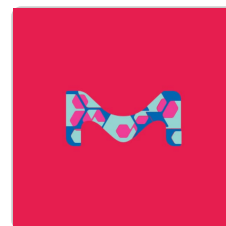


Sigma-Aldrich

**MP0030**

LookOut® Mycoplasma Elimination Kit

Consulter le prix et la disponibilité



Sigma-Aldrich

**MLTUD0261**

MISSION® Lenti microRNA Inhibitor, Mouse  
mmu-miR-324-5p

Consulter le prix et la disponibilité

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



Description sommaire de la notation

Sélectionnez une ligne ci-dessous pour filtrer les avis.

|     |                      |   |
|-----|----------------------|---|
| 5 ★ | <input type="text"/> | 1 |
| 4 ★ | <input type="text"/> | 0 |
| 3 ★ | <input type="text"/> | 0 |
| 2 ★ | <input type="text"/> | 0 |
| 1 ★ | <input type="text"/> | 0 |

Notes moyennes des clients

Générale ★★★★★ 5.0

1 AVIS AVEC NOTES UNIQUEMENT

★★★★★ 5.0 | 1 avis

|                                                     |              |                       |                            |                           |
|-----------------------------------------------------|--------------|-----------------------|----------------------------|---------------------------|
| <div>Rechercher des questions et des réponses</div> | <div>🔍</div> | <div>1<br/>avis</div> | <div>0<br/>questions</div> | <div>0<br/>réponses</div> |
|-----------------------------------------------------|--------------|-----------------------|----------------------------|---------------------------|

Questions

Soyez le premier à poser une question

## Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

[Contacter notre Service technique](#)

Le contenu de cette page vous a-t-il été utile ?\*



Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

Envoyer