

# BD Dermatophyte Agar

## Prepared Plated Media



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English

### INTENDED USE

BD Dermatophyte Agar is a selective medium for the isolation of pathogenic fungi from cutaneous sources such as skin, hair, and nails.

BD does not assume any responsibility or liability if the product is used for or with any applications, microorganisms, or procedures not provided for or recommended in the Instructions for Use. The user assumes all such risk, responsibility and liability for any such unapproved use.

### PRINCIPLES OF THE PROCEDURE

Microbiological method.

In 1969, Taplin et al. developed this medium for the isolation of dermatophytes from skin lesions, such as ringworm, and from hair, nails, and skin.<sup>1</sup> This medium is recommended for the isolation of dermatophytes and is especially useful for the isolation of the *Microsporum*, *Trichophyton*, and *Epidermophyton* genera.<sup>2-4</sup> In addition, *Candida albicans* grows on this medium.

In BD Dermatophyte Agar peptones supply nitrogen and are the source of alkaline products, produced by dermatophytes. When peptones are metabolized to alkaline products, a change of the phenol red indicator from yellow to red will take place.<sup>3</sup> Glucose is added as a nutrient and to allow acidification by fungi able to primarily use glucose. Most fungi other than dermatophytes, including yeasts and molds (if they are able to grow on the medium), will utilize glucose. This results in acid formation and no color change of phenol red which is the pH indicator. Cycloheximide is an inhibitor for molds and non-pathogenic yeasts. Gentamicin and tetracyclin are antibacterial inhibitors. A few organisms, including saprophytes, yeasts, and bacteria, are capable of growing on the medium and changing the color from red to yellow, but they are easily recognized by their distinctive colonial morphology.

### REAGENTS

#### Approximate Formulas\* Per Liter Purified Water

BD Dermatophyte Agar	
Papaic Digest of Soybean Meal	10.0 g
Glucose	10.0 g
Phenol Red	0.2 g
Cycloheximide	0.5 g
Gentamicin	0.1 g
Tetracyclin Hydrochloride	0.1 g
Agar	20.0 g

pH 5.5 ± 0.2

\*Adjusted and/or supplemented as required to meet performance criteria.

### WARNINGS AND PRECAUTIONS

For *in vitro* Diagnostic Use. Do not reuse. For trained laboratory personnel use only.

Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration.

### Biological and Chemical Safety of the Product

This section may also contain information on specific biological and/or chemical hazards, indicated by the appropriate symbols, together with the appropriate R (risk)- and S (safety)-phrases.<sup>6</sup>

### Biohazard Originating from Specimens and Microorganisms Cultivated on Microbiological Media

Observe established precautions against microbiological hazards. Specimens and cultures of microorganisms must be handled according to local biohazard guidelines and legislation. According to the European Directive 2000/54/EC, most bacterial and fungal pathogens are included in risk group 2. Risk group 3 has been created to include *Salmonella* Typhi, enterohemorrhagic *Escherichia coli* (EHEC; also referred to as STEC = Shiga toxin-producing *E. coli*), *Shigella dysenteriae* (type 1) and several other bacteria and fungi. Other bacterial and fungal pathogens included in risk group 3 are: all *Brucella* spp.; *Mycobacterium tuberculosis*; *M. bovis*; *M. africanum*; *M. ulcerans*; and *Histoplasma capsulatum*. For details, consult Annex III of Directive 2000/54/EC.<sup>7</sup>

### Product Disposal

After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be autoclaved for 20 to 30 min at 121 °C or higher (if large volumes of disposed materials must be sterilized), or incinerated by validated procedures.

EU Only: users should report any serious incident related to the device to the Manufacturer and National Competent Authority.

### STORAGE

On receipt, store plates in the dark at 2–8 °C, in their original sleeve wrapping until just prior to use. Avoid freezing and overheating. The plates may be inoculated up to the expiration date (see package label) and incubated for the recommended incubation times. Plates from opened stacks of 10 plates can be used for one week when stored in a clean area at 2–8 °C.

Avoid freezing and overheating. Freezing may result in complete deterioration of agar gels or in precipitations in liquid media. Temperatures exceeding the indicated storage temperature for a longer time may lead to deterioration of media ingredients. This holds especially true for selective agents, such as antimicrobials. Excessive moisture due to condensation water may develop after extreme subsequent temperature changes (e.g., from 2 to 25 °C and back to 2 °C) on all solid media. Plated media with excessive moisture must be dried before inoculation, e.g., by placing them with lids ajar into a clean incubator at 30–37 °C for not longer than one hour. Do not desiccate the media! The exact exposure time depends on the air humidity in the incubator. Contamination during storage must be avoided by the user, e.g., by packing the plates in **sterilized** plastic bags. All prepared media must be stored in the dark. If exposed to artificial light, sunlight, or UV light for a longer time, the performance of all media may be reduced. Several media, such as chromogenic media, Endo Agar, and others are especially sensitive to strong illumination before and during incubation. All BD prepared media may be used up to the expiration date and incubated for the recommended incubation times.

## USER QUALITY CONTROL

Incubate plates aerobically at 25–30 °C for the times indicated below the table.

Species	Strains	Growth Results
* <i>Trichophyton mentagrophytes</i>	ATCC® 9533	Fluffy white colonies, red zones in medium surrounding colonies
* <i>Trichophyton equinum</i>	ATCC 22443	Fluffy white colonies, red zones in medium surrounding colonies
*** <i>Candida albicans</i>	ATCC 10231	Small to medium-sized, white to creamy colonies; medium yellow or with red zones in medium surrounding colonies
** <i>Aspergillus niger</i>	ATCC 16404	Inhibition partial to complete
*** <i>Saccharomyces cerevisiae</i>	DSM 1333	Inhibition complete
*** <i>Escherichia coli</i>	ATCC 25922	Inhibition complete
*** <i>Pseudomonas aeruginosa</i>	ATCC 10145	Inhibition complete
*** <i>Staphylococcus aureus</i>	ATCC 25923	Inhibition complete
Uninoculated		Yellow, clear to slightly opaque

Incubation: \*5 to 7 days; \*\*4 to 5 days; \*\*\*42 to 48 hours.

## PROCEDURE

Always use fresh test strain suspensions, prepared from overnight cultures in appropriate liquid media (e.g., Tryptic or BD Trypticase™ Soy Broth for aerobes, and Schaedler Broth with hemin and vitamin K for anaerobes). Alternatively, fresh suspensions prepared from overnight cultures on plated media can be used. Incubation times of precultures must be extended if the test strain grows slowly. For **testing the nutritive capacity of a plated medium** according to the CLSI standard M22, dilute the inoculum suspension to provide 1 to  $2 \times 10^4$  cfu per plate.<sup>8</sup> A tenfold lighter inoculum should be used if this does not provide isolated colonies. According to DIN EN 12322, the growth-promoting properties are tested with 100 to 1,000 cfu or a sufficient amount of cfu to provide isolated colonies by an appropriate streaking plate technique.<sup>9</sup> If the strains are inoculated by a quantitative plating technique, 50 to 500 cfu per plate are usually appropriate to obtain a countable number of colonies. For **testing the inhibitory capacity of a selective plated medium**, according to CLSI M22, 1 to  $2 \times 10^5$  cfu per plate must be used for inoculation, and about  $10^4$  or more cfu according to DIN EN 12322.<sup>8,9</sup> Very high inocula of unwanted strains may “overload” the medium, leading to “breakthrough” growth. For comparison, always include a growth reference medium which should be a nonselective medium that provides optimal growth of all test strains. For aerobic strains, Columbia Agar with 5% Sheep Blood, for fastidious strains (like *Neisseria gonorrhoeae*) Chocolate Agar, for anaerobes Schaedler Agar with Vitamin K and 5% Sheep Blood, and for fungi Sabouraud Glucose Agar are suitable for this purpose. If tested quantitatively, growth of “desired” strains on the test medium should be at least 70% of that on the reference medium. On selective media, growth of “undesired” strains must be partially to completely inhibited. The degree of inhibition depends on the medium and the strains, but growth is usually reduced by a factor of  $10^3$  to  $10^4$  (or more) as compared to the growth on the nonselective growth reference medium. For **testing the growth performance of media in vials**, comparable methods are used. Smaller tubes and vials should be inoculated with  $10^5$  cfu according to the CLSI M22-A2 standard.<sup>8</sup> Vials or bottles with fill volumes above 10 mL should first be aliquoted in 5 or 10 mL amounts in sterile tubes and tested in the same way.

## Materials Provided

BD Dermatophyte Agar (90 mm BD Stacker™ plates). Microbiologically controlled.

## Materials Not Provided

Ancillary culture media, reagents, inoculating loops, spreaders, pipettors, incubators, and laboratory equipment as required.

## Specimen Types

This is a selective differential medium for the isolation of dermatophytes from clinical specimens like nails, hairs, and skin scrapings (see also **PERFORMANCE CHARACTERISTICS AND LIMITATIONS OF THE PROCEDURE**). Swabs taken from infected areas are not the appropriate specimens for collecting dermatophytes. For a full description of the collection and types of specimens, consult the references.<sup>3-5</sup>

## Test Procedure

Specimens like nails, hairs, etc. should be placed onto the center of the media surface. If possible, larger particles should be slightly pressed onto the surface by means of sterile forceps to provide contact with the medium.

Always include a plate of BD Sabouraud Glucose Agar, BD Sabouraud Agar with Chloramphenicol, BD Sabouraud Agar with Gentamicin and Chloramphenicol, or BD Sabouraud Agar with Penicillin and Streptomycin to provide an indication of all fungal pathogens present in the specimen.

Close plates with adhesive tape or place into a jar to reduce evaporation of the medium, and incubate for 3 to 6 days at 25–30 °C. If no growth is detected, continue incubation for an additional week, or longer if necessary. Note that some fungi may need an incubation of more than 3 weeks.

## Results

Examine plates after 3 to 6 days for an indicator change from yellow to red or pink and for the occurrence of typical dermatophyte colonies. *Candida* species may initially also produce a color change to red. Interpretation of tests is questionable on this medium beyond 2 weeks of incubation. For a complete diagnosis and especially if no growth is obtained on BD Dermatophyte Test Medium Agar, the results on the Sabouraud based media mentioned above must be considered. Since the number of dermatophytes is large, no details on their appearance can be given here. Consult the references.<sup>2-5</sup>

## PERFORMANCE CHARACTERISTICS AND LIMITATIONS OF THE PROCEDURE

BD Dermatophyte Agar is suitable for the isolation of dermatophytes (e.g., *Trichophyton*, *Epidermophyton*, and *Microsporum* species) and must only be used for the recovery of fungi from superficial infections (skin, hair, and nails).<sup>2-5</sup> In addition, *Candida albicans* grows on this medium since it is resistant to cycloheximide.

BD Dermatophyte Agar is not a universal isolation medium for fungi. Instead, one of the Sabouraud based media mentioned below should be used.

Certain pathogenic fungi, including certain strains of *Microsporum*, are inhibited by cycloheximide. Occasionally, molds and yeasts that are inhibited on this medium may produce cutaneous infections. Therefore, all specimens must be also inoculated on one of the following media: BD Sabouraud Glucose Agar, BD Sabouraud Agar with Chloramphenicol, BD Sabouraud Agar with Gentamicin and Chloramphenicol, or BD Sabouraud Agar with Penicillin and Streptomycin.

Appropriate confirmatory tests must be performed to obtain a final identification of the pathogens isolated on these media.<sup>2-5</sup>

BD Dermatophyte Agar or the media based on Sabouraud Agar mentioned above are not suitable for the isolation of bacteria which may also produce skin infections. Therefore, if a bacterial infection cannot be excluded, appropriate nonselective media, such as BD Columbia Agar with 5% Sheep Blood must be inoculated with the specimen.

After 2 weeks of incubation, certain saprophytic fungi may produce false positive reactions on BD Dermatophyte Agar.<sup>2</sup>

## AVAILABILITY

Cat. No.	Description	Number of plates per package
254429	BD Dermatophyte Agar	20

## REFERENCES

1. Taplin, D., et al. 1969. Isolation and recognition of dermatophytes on a new medium (DTM). Arch. Dermatol. 99: 203.
2. MacFaddin, J. D. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, vol. 1, p. 275–284. Williams & Wilkins, Baltimore, Maryland USA.
3. Sutton, D.A. 2003. Specimen collection, transport, and processing: mycology. In: Murray, P. R., E. J. Baron, J.H. Jorgensen, M. A. Pfaller, and R. H. Yolken (ed.). Manual of clinical microbiology, 8th ed. American Society for Microbiology, Washington, D.C. USA.
4. Summerbell, R.C. 2003. *Trichophyton*, *Microsporum*, *Epidermophyton*, and agents of superficial mycoses. In: Murray, P. R., E. J. Baron, J.H. Jorgensen, M. A. Pfaller, and R. H. Yolken (ed.). Manual of clinical microbiology, 8th ed. American Society for Microbiology, Washington, D.C. USA.
5. Larone, D.H. 1995: Medically important fungi—a guide to identification. 3rd edition. ASM Press, Washington, D.C. USA.
6. Directive 67/548/EEC of the European Parliament and of the Council of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. Official Journal P 196, 16.08.1967, p. 0001–0098.
7. Directive 2000/54/EC of the European Parliament and of the Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work (seventh individual directive within the meaning of Article 16(1) of Directive 98/391/EEC). Official Journal L 262, 17.10.2000, p. 0021–0045.
8. Clinical and Laboratory Standards Institute. Standard M22. Quality assurance for commercially prepared microbiological culture media. Wayne, Pennsylvania USA. Search for latest version at clsi.org.
9. DIN EN 12322. 1999. Culture media for microbiology—performance criteria for culture media. Beuth Verlag Berlin.

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## Change History

Revision	Date	Change Summary
01	2020-06	Document number changed, version reset to revision 01 for BD branding updates. Updated access information to obtain the document from bd.com/e-labeling.

 Manufacturer / Производител / Výrobcie / Fabrikant / Hersteller / Κατασκευαστής / Fabricante / Tootja / Fabricant / Proizvodač / Gyártó / Fabbricante / Аткарушы / 제조업체 / Gamintojas / Ražotājs / Tilvirker / Producent / Producător / Производитель / Výrobcia / Proizvodač / Tillverkare / Üretici / Виробник / 生产厂商

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YYYY-MM-DD / YYYY-MM (MM = end of month)

ИТТ-MM-ДД / ИТТ-MM (ММ = края на месец)

RRRR-MM-DD / RRRR-MM (MM = konec měsíce)

AAAA-MM-DD / AAAA-MM (MM = slutning af måned)

JJJJ-MM-TT / JJJJ-MM (MM = Monatsende)

EEEE-MM-HH / EEEE-MM (MM = τέλος του μήνα)

AAAA-MM-DD / AAAA-MM (MM = fin del mes)

AAAA-KK-PP / AAAA-KK (KK = kuu lopp)

AAAA-MM-JJ / AAAA-MM (MM = fin du mois)

GGGG-MM-DD / GGGG-MM (MM = kraj mjeseca)

ÉÉÉÉ-HH-NN / ÉÉÉÉ-HH (HH = hónap utolsó napja)

AAA-MM-GG / AAAA-MM (MM = τέλος του μήνα)

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GGGG-MM-DD/GGGG-MM (MM = mēneša beigas)

JJJJ-MM-DD / JJJJ-MM (MM = einde maand)

AAA-MM-DD / AAAA-MM (MM = slutten av måneden)

RRRR-MM-DD / RRRR-MM (MM = koniec miesiąca)

AAAA-MM-DD / AAAA-MM (MM = fim do mês)

AAA-LZ-ZZ / AAAA-LL (LL= sfârșitul lunii)

ИТТ-MM-ДД / ИТТ-MM (MM = конец месяца)

RRRR-MM-DD / RRRR-MM (MM = koniec mesiaca)

GGGG-MM-DD / GGGG-MM (MM = kraj meseca)

AAA-MM-DD / AAAA-MM (MM = slutet av månaden)

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PPP-MM-ДД / PPPP-MM (MM = кінець місяця)

YYYY-MM-DD / YYYY-MM (MM = 月末)

**REF**

Catalog number / Каталожен номер / Katalogové číslo / Katalognummer / Αριθμός καταλόγου / Número de catálogo / Kataloiginumber / Numéro catalogue / Kataloški broj / Katalógu szám / Numero di catalogo / Каталог номір / Каталог 번호 / Catalogo numeris / Catalogus nummer / Numer katalogowy / Număr de catalog / Номер по каталогу / Katalógové číslo / Kataloški broj / Katalog numerası / Номер за каталогом / 目录号

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**LOT**

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For IVD Performance evaluation only / Само за оценка качеството на работата на IVD / Pouze pro vyhodnocení výkonu IVD / Kun til evaluering af IVD ydelse / Nur für IVD- Leistungsbewertungszwecke / Móvo για αξιολόγηση απόδοσης IVD / Sólo para la evaluación del rendimiento en diagnóstico in vitro / Ainult IVD seadme hindamiseks / Réservez à l'évaluation des performances IVD / Samo u znanstvene svrhe za In Vitro Diagnostiku / Kizárolag in vitro diagnosztikához / Solo per valutazione delle prestazioni IVD / Жасанды жағдайда «тест-система» диагностикада тек жумысты бағалау үшін / IVD 성능 평가에 대해서만 사용 / Tik IVD prietaisų veikimo charakteristikoms tikrinti / Vienigi IVD darbibus novērtēšanai / Uitsluitend voor doeltreffendheidsonderzoek / Kun for evaluering av IVD-ytelse / Tylko do oceny wydajności IVD / Uso exclusivo para avaliação de IVD / Numan pentru evaluarea performanței IVD / Только для оценки качества диагностики in vitro / Určené iba na diagnostiku in vitro / Samo za procenu učinka u in vitro dijagnostici / Endast för utvärdering av diagnostisk användning in vitro / Yalnızca IVD Performans değerlendirme için / Тільки для оценівания якості діагностики in vitro / 仅限 IVD 性能评估

For US: "For Investigational Use Only"



Lower limit of temperature / Долен лимит на температурата / Dolní hranice teploty / Nedre temperaturgrænse / Temperaturuntergrenze / Котүтеро ѡріо өтөрмекорасі / Límite inferior de temperatura / Alumine temperaturupplîr / Limite inférieure de température / Najnižja dozvoljena temperatura / Also hőmérsékleti határ / Limite inferiore di temperatura / Температураның төмөнгі рұқсат шеги / 하한 온도 / Žemiausiai laikymo temperatūra / Temperatūras zemākā robeža / Laagste temperatuurlimiet / Nedre temperaturgränsen / Dolna granica temperatury / Limite minima de temperatura / Limită minimă de temperatură / Нижний предел температуры / Spodná hranica teploty / Donja granica temperature / Sicaklık alt sınırı / Минимальна температура / 温度下限

**CONTROL**

Control / Контролно / Kontrola / Kontrol / Kontrolle / Mártiriac / Kontroll / Contrôle / Controllo / Бақылау / Контроль / Kontroll / Kontrolé / Kontrole / Controle / Kontrol / Kontrolp / Kontrolp / 对照

**CONTROL +**

Positive control / Положителен контрол / Positív kontrola / Positiv kontrol / Positive Kontrolle / Θετικός μάρτιρας / Control positivo / Positiivne kontroll / Contrôle positif / Pozitívna kontrola / Pozitiv kontroll / Controllo positivo / Оң бақылау / 양성 컨트롤 / Teigama kontrolé / Pozitiva kontrole / Positieve controle / Kontrola dodatnia / Controllo positivo/ Control pozitív / Положительный контроль / Pozitif kontrol / Позитивный контроль / 阳性对照试剂

**CONTROL -**

Negative control / Отрицателен контрол / Negativní kontrola / Negativ Kontrol / Negative Kontrolle / Αρνητικός μάρτιρας / Control negativo / Negatiivne kontroll / Contrôle négatif / Negativna kontrola / Negativ kontroll / Controllo negativo / Негативті бақылау / 음성 컨트롤 / Neigama kontrolé / Negatív kontrole / Negatiieve controle / Kontrola ujemna / Controlo negativo / Отрицательный контроль / Negatif kontrol / Негативный контроль / 阴性对照试剂

**STERILE EO**

Method of sterilization: ethylene oxide / Метод на стерилизация: этилен оксид / Způsob sterilizace: etylenoxid / Sterilisierungsmetode: ethylenoxid / Sterilisationsmethode: Ethylenoxid / Μέθοδος αποστείρωσης: αιθανεξοξίδιο / Método de esterilización: óxido de etileno / Steriliseerimismeetod: etüleenoksidiid / Méthode de stérilisation : oxyde d'éthylène / Metoda sterilizacije: etilen oksid / Sterilizálás módszere: etilén-oxid / Método de sterilizzazione: etilene-oxid / Metoda sterilizacije: etilen oksid / Sterilizacijas metode: etilēnoxsīds / Gesteriliseerd met behulp van ethyleneoxide / Steriliseringsmetode: etylenoksid / Metoda sterilizacji: etlenek etilu / Método de esterilização: óxido de etileno / Metodā de sterilizācijā: etilēna oksīds / Metoda sterilizacije: etilen oksid / Sterilizasyon yöntemi: etilen oksit / Метод стерилизации: этиленоксид / Metoda sterilizacie: etylenoxid / Metoda sterilizacije: etilen oksid / Sterilizasyon yöntemi: etilen oksit / Метод стерилизации: этиленоксидом / 灭菌方法: 环氧乙烷

**STERILE R**

Method of sterilization: irradiation / Метод на стерилизация: иридиация / Způsob sterilizace: záření / Sterilisierungsmetode: besträling / Sterilisationsmethode: Bestrahlung / Μέθοδος αποστείρωσης: ακτινοβολία / Método de esterilización: irradiación / Steriliseerimismeetod: kiirgus / Méthode de stérilisation : irradiation / Metoda sterilizacije: zračenje / Sterilizálás módszere: besugárzás / Método de sterilizzazione: irradiazione / Стерилизация адісі – этилен тотығы / 소독 방법: 에틸렌온시이드 / Sterilizavimo būdas: etileno oksidais / Sterilizēšanas metode: etilēnoxsīds / Gesteriliseerd met behulp van ethyleneoxide / Steriliseringsmetode: etylenoksid / Metoda sterilizacji: etlenek etilu / Método de esterilização: obлучение / Metodā de sterilizācijā: ozračāvanje / Steriliseringsmetod: strålnings / Sterilizasyon yöntemi: iradyasyon / Метод стерилизаций: облучением / Метод стерилизаций: опроміненням / 灭菌方法: 辐射



Biological Risks / Биологични рискове / Biologická rizika / Biologisk fare / Biogefährdung / Bioökouikoi kívülövi / Riesgos biológicos / Biologilised riskid / Risques biologiques / Biološki rizik / Biológicoalag veszélyes / Rischio biologico / Биологиялық тәуекелдер / 生物学的危险 / Biologinis pavojus / Biolojskie riski / Biologisch risiko / Biologisk risiko / Zagrożenia biologiczne / Perigo biológico / Riscuri biologice / Биологическая опасность / Biologické riziko / Biološki rizici / Biologisk risk / Biyolojik Riskler / Биологична небезпека/ 生物学风险



Caution, consult accompanying documents / Внимание, напрявте справка в приложаващите документи / Pozor! Prostudujte si priloženou dokumentaci! / Forsiktig, se ledsagende dokumenter / Achtung, Begleitdokumente beachten / ПРОСТОРОГ! сипаруслыткы өтөстеңілік үзүүрә / Precaución, consultar la documentación adjunta / Еттеваят! Lueda kaasnevät dokumentaatioon / Attention, consulter les documents joints / Uprozorenje, koristi prateču dokumentaciju / Figuelement! Olvassa el a mellékelttájékoztatót / Attenzione: consultare la documentazione allegata / Абайланың, тиисті құжаттармен танысының / 주의, 동봉된 설명서 참조 / Démésio, žürükite pridamais dokumentus / Piesardzība, skaitlī pavadokumentus / Voorzichtig, raadpleeg bijgevoegde documenten / Forsiktig, se vedlagt dokumentasjon / Należy zapoznać się z dołączonymi dokumentami / Cuidado, consulte a documentação fornecida / Atentie, consultați documentele însoțitoare / Внимание: см. прилагаемую документацию / Výstraha, pozri sprievodné dokumenty / Pažnjal! Poglедajte priložena dokumenta / Obs! Se medföljande dokumentation / Dikkat, birlikte verilen belgelere başvurun / Увага: див. супутну документацію / 小心, 请参阅附带文档。



Upper limit of temperature / Горен лимит на температурата / Horní hranice teploty / Øvre temperaturgrænse / Temperaturobergrenze / Ауңұтқыро өтөрмекорасі / Límite superior de temperatura / Ülemine temperaturupplîr / Limite supérieure de température / Gornja dozvoljena temperatura / Felső hőmérsékleti határ / Limite superiore di temperatura / Температураның төмөнгі рұқсат шеги / 상한 온도 / Aukščiausiai laikymo temperatūra / Augšējā temperatūras robeža / Hoogste temperatuurlimiet / Nedre temperaturgränsen / Dolna granica temperatury / Limite máximo de temperatura / Limită maximă de temperatură / Верхний предел температуры / Horná hranica teploty / Górnja granica temperatury / Limite máximo de temperatura / Limită maximă de temperatură / 温度上限



Keep dry / Пазете сухо / Skladujte v suchém prostředí / Opbevares tørt / Trocklagern / Фұлдатыңдың оқиеттіңде / Mantener seco / Hoida kuivas / Conserver au sec / Držati na suhom/Száraz helyen tartando / Tener a l'asciutto / Kyrkak күндіңде уста / 견조 상태 유지 / Laikykite sausai / Uzglabāt sausus / Droog houden / Holdes tørt / Przechowywać w stanie suchym / Manter seco / A se feri de umezela / Не допускать попадания влаги / Uchovávajte v suchu / Držite na suvom mestu / Förvaras torrt / Kuru bir şekilde muhafaza edin / Bergergi vîd vologu / 请保持干燥



Collection time / Время на събиране / Čas odberu / Opsamlingstidpunkt / Entnahmehrzeit / Ήρα συλλογής / Hora de recogida / Kogumisaeg / Heure de prélevement / Sati prikupljanja / Mintavétel időpontja / Ora di raccolta / Жинаңау үкіметі / 수집 시간 / Paémimo laikas / Savākšanas laiks / Verzameldtijd / Tid prøvetaking / Godzina pobrania / Hora de colheita / Ora colectării / Время сбора / Doba odberu / Vreme prikupljanja / Uppsamlingstid / Toplama zamanı / Час забора / 采集时间



Peel / Обелегте / Otevřete zde / Ábn / Abziehen / Atokolájts / Desprender / Koordia / Décoller / Otvoríti skini / Húzza le / Staccare / Үстінгі қабатын алып таста / 剥皮 / Pléstí čia / Atlímet / Schillen / Trekk av / Oderwač / Destacar / Se dezlipeste / Otklejť / Odtrhnite / Olijustíti / Dra isár / Ayirma / Відклейти / 撕下



Perforation / Перфорация / Perforace / Perforering / Διάτροψη / Perforación / Perforatsioon / Perforacija / Perforálás / Perforazione / Tecik теси / 절취선 / Perforacija / Perforācija / Perforacie / Perforacija / Perfuração / Perforare / Перфорация / Perforácia / Perforasyon / ペルフォラシヨン / 穿孔



Do not use if package damaged / Не използвайте, ако опаковката е повредена / Neperživejte, je-li obal poškozený / Má ikke anvendes hvis emballagen er beskadiget / Inhal beschädigter Packung nicht verwenden / Μη χρησιμοποιείτε εάν η συσκευασία έχει υποστεί ζημιά / No usar si el paquete está dañado / Mitte kasutada, kui pakend on kahjustatud/ Ne pas l'utiliser si l'emballage est endommagé / Не користити ако је оштетено пакирање / Не használja, ha a csomagolás sérült / Non usare se la confezione è danneggiata/ Erep пакет бұзылған болса, пайдаланба / Пакет шеңдерілген болса, пайдаланба / Өткізгіштіңде жаңа болса, пайдаланба / Не использовать, если упаковка имеет повреждения / Не користите ако је паковање оштетено / Använd ej om förpackningen är skadad / Ambalaj hasar görmüse kullanmayın / Не використовувати за пошкодженою упаковки / 如果包装破损, 请勿使用



Keep away from heat / Пазете от топлина / Nevystavujte pílišnému teplu / Má ikke udsættes for varme / Vor Wärme schützen / Крайтесь то макрі аттіп өтөрмекорасі / Mantener alejado de fuentes de calor / Hoida eemal valgusest / Protéger de la chaleur / Držati dalje od izvora topline / Óvjá a melegtő / Tenere lontano dal calore / Салқын жерде сакта/ 열을 피해야 함 / Laikykite atokiu nuo šilumos šaltinių / Sargāt no karstuma / Beschermen tegen warmte / Má ikke utsættes for varme / Przechowywać z dala od źródeł ciepła / Manter ao abrigo do calor / A se feri de căldură / Не нагревать / Uchovávajte mimo zdroju tepla / Držite dalje od toplote / Fár ej utsättas för värme / Isidan uzak tutun / Bergergi vîd dîr тепла / 请远离热源



Cut / Срекете / Odstrňte / Klip / Schneiden / Кóйте / Cortar / Löigata / Découper / Reži / Vágja ki / Tagliare / Kecinj / 잘라내기 / Kirpti / Nogriezt / Knippen / Kutt / Odciąć / Cortar / Decupať / Отрязать / Odstrňte / Iseći / Klipp / Kesme / Rozřízati / 剪下



Collection date / Дата на събиране / Datum odberu / Opsamlingsdato / Entnahmedatum / Ημερομηνία συλλογής / Fecha de recogida / Kogumisaepäev / Date de prélèvement / Dani prikupljanja / Mintavétel dátuma / Data di raccolta / Жинаңау тәжірибелік датасы / 수집 날짜 / Paémimo data / Savākšanas datums / Verzameldatum / Dato prøvetaking / Data pobrania/ Data de colheita / Data colectării / Дата сбора / Dátum odberu / Datum prikupljanja / Uppsamlingsdatum / Toplama tarihi / Дата забора / 采集日期

 μL/test / μL/тест / μL/Test / μL/εξέταση / μL/prueba / μL/teszt / μL/テスト / мкл/тест / μL/tirimas / μL/pārbaude / μL/teste / мкл/анализ / μL/檢測



Keep away from light / Пазете от светлина / Ne vystavujte světlu / Má ikke udsættes for lys / Vor Licht schützen / Кръгнете то јакрија отпто то фоц / Mantener alejado de la luz / Hoida eemal valgusest / Conserver à l'abri de la lumière / Držati dalje od svjetla / Fény nem érheti / Tenere al riparo dalla luce / Қарандыланған жерде ұста / білік пікеадай / Laikyti atokiau nuo šilumos šaltiniu / Sargāt no gaismas / Niet blootstellen aan zonlicht / Má ikke utsættes for lys / Przechowywać z dala od źródeł światła / Manter ao abrigo da luz / Feriți de lumină / Хранить в темноте / Uchovávajte mimo dosahu svetla / Držite dalje od svjetlosti / Får ej utsättas för ljus / İşkink tutun / Берегти від дії світла / 请远离光线



 Hydrogen gas generated / Образуваен е водород газ / Možnost úniku plynného vodíku / Frenbringer hydrogengas / Wasserstoffgas erzeugt / Δημιουργία αερίου άνθρακού / Producción de gas de hidrógeno / Vésinikgaasi tekkitähd / Produit de l'hydrogène gazeux / Sadří hydrogen vodík / Hidrogén gázta fejleszt / Produzione di gas idrogeno / Газтектес сутеги пайды болды / 수소 가스 생성됨 / Išskiria vandenilio dujas / Rodas üdenrädis / Waterstofgas gegenereerd / Hydrogengass generert / Powoduje powstawanie wodoru / Produção de gás de hidrogénio / Generare gaz de hidrogen / Выделение водорода / Vyrobené použitím vodíka / Osloboda se vodonik / Genererad vägås / Açıja çikan hidrojen gazi / Реакция з виділенням водню / 会产生氢气



Patient ID number / ИД номер на пациента / ID pacienta / Patientens ID-nummer / Patienten-ID / Αριθμός αναγνώρισης ασθενούς / Número de ID del paciente / Patsiendi ID / No d'identification du patient / Identifikacijski broj pacijenta / Beteg azonosító száma / Numero ID paziente / Пациенттің идентификациялық немірі / 환자 ID 번호 / Paciento identifikavimo numeris / Pacienta ID numurs / Identificatienummer van de patiënt / Pasientens ID-nummer / Numer ID pacienta / Número da ID do doente / Număr ID pacient / Идентификационный номер пациента / Identifikačné číslo pacienta / ID broj pacijenta / Patientnummer / Hasta kimlik numarası / Идентификатор пациента / 患者标识别号



Fragile, Handle with Care / Чупливо, Работете с необходимото внимание. / Krehké. Při manipulaci postupujte opatrne. / Forsiktig, kan gå i stykker. / Zerbrechlich, vorsichtighandhaben. / Ещё раз! Хөрістепе то мε трооохұ. / Frágil. Manipular con cuidado. / Órn, käsítsege eltevaatlikult. / Fragile. Manipuler avec précaution. / Lomljivo, rukujte pažljivo. / Törékeny! Övatosan kezelendő. / Fragile, maneggiare con cura. / Сынныш, абалан пайдаланыңыз. / 조심 깨지기 쉬운 처리 / Trapu, elkités atsargai. / Trauslis; rikkies uzmanīgi / Breekbaar, voorzichtig behandelen. / Ømåltig, håndter forsiktig. / Krucha zawartość, przenosić ostrożnie. / Frágil, Manuseie com Cuidado. / Fragil, manipulați cu atenție. / Хрупко! Обращаться с осторожностью. / Krehké, vyzádjuje sa opatrná manipulácia. / Lomljivo - rukujte pažljivo. / Bräckligt. Hantera försiktigt.. / Kolay Kirılır, Dikkatli Taşıyun. / Тендітна, зертатыся з обережністю / 易碎, 小心轻放



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