

EN: Indication for use

Medium for culture of embryos from the pronucleate stage to day 2 or day 3.

Product Description

G-1™ is a bicarbonate buffered medium containing hyaluronan and gentamicin as an antibacterial agent.

G-1™ is protein-free.

For use after the addition of G-MM™ or HSA-solution™ and equilibration at +37 °C and 6 % CO₂ atmosphere.

Storage instructions and stability

Store dark at +2 to +8°C.

G-1™ is stable until the expiry date shown on the container labels and the LOT-specific Certificate of Analysis.

For Non-EU: Media bottles should not be stored after opening. Discard excess media after completion of the procedure.

For EU: Media bottles can be used for up to two weeks after first opening, use aseptic technique and minimize the time outside the refrigerator. Record the opening date on the bottle. Discard excess media no later than two weeks after first opening.

Directions for use

Media to be supplemented should be aliquoted into sterile vials or culture grade tubes or flasks. For details on how to perform the protein supplementation see Package Inserts for G-MM™ and HSA-solution™.

Culture of Cleavage Stage Embryos

All culture dishes (wells or tubes) should be rinsed with G-RINSE™ and prepared in advance of the procedure.

The dish should be used the day of the procedure. If the dish has been used previously, it is recommended that dishes of the highest quality be used. Using a pre-rinsed sterile tip, place at least 6 x 25 µl drops of supplement G-1™/G-1™ plus in the dish. Tips are rinsed by taking up the volume required (25 µl) and then expelling this volume onto the dish. After rinsing, add 6 x 25 µl drops at the 3, 6, 9 and 12 o'clock positions (for embryo culture), the remaining drops should be in the middle of the dish (wash drops). Immediately cover drops with OVOIL™ to avoid evaporation. Prepare no more than 2 dishes at one time. Use a new tip for each drop, first rinse the tip and then add a further 25 µl of medium to each original drop. This technique allows the droplets to stand up rather than flatten out.

Immediately place the dish in the incubator at 6 % CO₂ and +37 °C. Gently remove the lid of the dish and set at an angle on the side of the plate. This will ensure proper equilibration of the dish.

Dishes must be equilibrated in the incubator with a semi-opened lid for a minimum of 6 hrs (this is the minimal measured time for the media to reach correct pH under light).

Following removal of the cumulus cells and assessment of fertilisation, supernatant media may be transferred to a new well and added back to the dish. G-MOPS™/PLUS-supplemented G-MOPS™. Washing entails picking up the embryo 2-3 times in a minimal volume and moving it around within the well.

Embryos should then be washed successively in the two centre drops in the culture dish and up to 5 embryos placed in each 50 µl drop of supplemented G-1™.

Five is the maximum number of embryos that should be cultured in each drop due to the nutrient requirements. More than 5 embryos may result in a significant depletion of the nutrient pool. If the patient has more than 10 embryos, return the dish to the incubator immediately. It is advisable to culture embryos in at least groups of 2. For example, for a patient with 4 embryos it is best to culture in 3 groups of 3 rather than 4 and 5 and 1. On day 2 or on day 3 embryos can be transferred to the uterus in an equilibrated EmbryoGle® or in equilibrated G-2™ PLUS. Alternatively on day 3, embryos can be transferred to G-2™ PLUS/ supplemented G-2™ for further culture to the blastocyst stage.

Specifications

Sterile filtered SAL 10³

Mouse Embryo Assay (1-cell) ≥ 80

Bacterial endotoxins (LAL assay) < 0.25

LOT specific test results are available on the Certificate of Analysis provided with each delivery.

Precautions

Discard product if bottle integrity is compromised. Do not use G-1™ if it appears cloudy.

G-1™ contains hyaluronan and gentamicin.

To avoid contamination Vitrolife strongly recommends that media should be opened and used only with aseptic techniques.

The risk of reproductive toxicity and developmental toxicity for IVF media, including Vitrolife's IVF media, have not been determined and are uncertain.

Not for injection.

Caution: Federal (US) law restricts this device to sale by or on the order of a physician.

Description of ISO Symbols

STERILE[A] Sterilized using aseptic processing techniques

+20°C Temperature limit

L Use by - see label.

A Caution: Consult accompanying documents.

REF Catalog number

LOT Batch code

CE 2460 CE Mark (Conformité Européenne)

过滤灭菌 SAL 10³

鼠胚活力试验 (1-细胞) 96小时内扩张囊胚率% ≥ 80

细菌内毒素(LAL检测) [EU/ml] < 0.25

每个批号的质检分析报告随货提供。

注意事项

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ISO符号描述

STERILE[A] 经无菌处理

+20°C 温度限制

L 使用期限-见标签

A 注意: 参考附随文件

REF 型号

LOT 批号

CE 2460 CE 标志 (Conformité Européenne)

EUROPE

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过滤灭菌 SAL 10³

鼠胚活力试验 (1-细胞) 96小时内扩张囊胚率% ≥ 80

细菌内毒素(LAL检测) [EU/ml] < 0.25

每个批号的质检分析报告随货提供。

注意事项

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Vitrolife建议您在使用产品时, 严格执行无菌操作技术, 在生化毒性和发育毒性上的风险还没有论断。

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CE 2460 CE 标志 (Conformité Européenne)

G-1™/G-1™ plus for cleavage stage embryos

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in una piastra di eliminazione dei terreni. Quattro gocce devono essere posate in posizione ore 3, 6 e 12 (per la cultura embrionale), le restanti gocce devono essere al centro della piastrella (grado 1). Le gocce devono essere posate le gocce con G-M™ per evitare l'evaporazione. Non preparare più di 2 piastrelle per volta. Utilizzando una nuova punta per ogni goccia, risciacquare prima la punta, poi aggiungere altri 25 µl, di terreno ad ogni goccia oricinaria. Questa tecnica consente alle gocce di restare verticali anziché appiattite.

Posizionare immediatamente la piastrella nell'incubatore a 6% CO₂ e +37 °C. Rimuovere delicatamente il copertino della piastrella e mettere in posizione unghie a falo della piastrella. Ciò garantisce la corretta equilibratura della piastrella.

Le piastrelle devono equilibrarsi nell'incubatore con coperto semiaperto per un minimo di 6 ore (questo è il tempo minimo misurato perché i terreni raggiungano il corretto pH) e di 18 ore.

Dopo la rimozione delle celle culnulo e la valutazione della fecondazione, trasferire gli embrioni prouenlati in una piastrella di piastrella e lavare in G-MOPS™ PLUS per la piastrella e G-HSA-supplementato. Per il lavaggio, prelevare 2-3 volte gli embrioni in un minimo volume e muoverli all'interno del pettine.

Lavare successivamente gli embrioni nelle due gocce centrali della piastrella di coltura e posizionare fino a 5 embrioni in ognuna delle gocce da 50 µl, di G™ supplemento.

Il numero massimo di embrioni che può essere messo a coltura in ogni goccia è pari a cinque in considerazione del fatto che si deve avere un minimo di 10 embrioni per la piastrella come risultato di una piastrella analitica del pool di nutrienti per gli embrioni. Come misura cautelativa, preparare due piastrelle di coltura se ha più di 10 embrioni. Riporre immediatamente la piastrella nell'incubatore. Si raccomanda di mettere in coltura gli embrioni almeno in gruppi di 2. Ad esempio, per una paziente con 6 embrioni, si dovrebbe utilizzare 3 piastrelle e 2 gruppi di 2 embrioni. Per i primi 2-3 gruppi di 2, il giorno 2 o 3, gli embrioni possono essere trasferiti nell'utero in EmboGlu® equilibrato oppure in G-™ PLUS equilibrato / G-™ supplemento. In alternativa, il giorno 3, gli embrioni possono essere trasferiti in G-™ PLUS / G-™ supplemento per la successiva coltura alla piastrella.

Specifiche

Filtraggio sterile	SAL 10 ³
Analisi su embrione di topo (1 cellula)	
% di blastocisti espanso 96 ore	≥ 80
Endotossine batteriche (analisi LAL)	
[EU/ml]	< 0.25

I risultati dei test specifici sui Lotti sono riportati sul Certificato di analisi fornito ad ogni consegna.

Precauzioni

Scartare il prodotto se l'integrità della bottiglia è compromessa. Non utilizzare G™ se presenta un aspetto torbido.

G-™ contiene hyaluronan e gentamicina.

Per evitare contaminazioni, Vitrolife raccomanda di aprire e utilizzare il prodotto esclusivamente con tecniche aspettive.

I rischi di tossicità riproduttiva e tossicità dello sviluppo dei terreni (IVF, inclusi i terreni IVF, Vitrolife, non sono stati determinati e sono incerti).

Non per iniezione.

Attenzione: la legge federale (degli Stati Uniti) limita la vendita del presente dispositivo dietro prescrizione medica.

LT: Naudojimo Indikacija

Terpe embrionais auginti nuogotas stadijos iki 2-osios ar 3-tosios dienos.

Produktas aprašas

G-™ yra bikarbotanas ir buferinė terpe su hialuronan ir gentamicina kai antikörperių veikla medžiaga.

G-™ sudėtyje nėra baltymų.

Naudojti po G-M™ arba G-MOPS™ "pri" prieš 37 °C temperatūrą ir pusiavirius rūsiuviomis esant +37 °C temperatūrą ir 6 % CO₂, aplinkinė.

Laikymo nuorodmai ir stabiliumas

Laikytis tamso nuo +2 įki +8 °C

G-™ yra stabili iki 10 dienų, nurodytos ant talpyklių etiketėse sertifikatuose.

Naudojant G-™, reikia išvengti temperatūros terpės.

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Naudojimo nuorodmai

Terpe, kuris reikia papildyti, reikia padalyti i sterilius netoksiškus audinius kultūros alausiems mėtinamams arba kolbas.

Norėdami rasti labiausią rezultatą, kurį reikia atbuveliui atidarymuo datą, Pašalininkai pertekliai terpės nėra žiūriami kaip vieną.

Atkreipimasis į terpės išvengimą

Terpe, kuris reikia papildyti, reikia padalyti i sterilius netoksiškus audinius kultūros alausiems mėtinamams arba kolbas.

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