

**EN: Indication for use**

Medium for embryo biopsy.

**Product Description**

G-PGD™ is a calcium and magnesium free MOPS buffered medium containing gentamicin as an antibacterial agent. For use after the addition of G-M™ or HSA-solution™ and equilibration at +37 °C and ambient atmosphere.

G-PGD™ must never be placed in the CO<sub>2</sub> incubator but rather warmed in an incubator without gas or in a heating block. If oil overlay is used, the oil should not be equilibrated in CO<sub>2</sub>.**Storage instructions and stability**

Store dark at +2 to +8 °C.

G-PGD™ 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.

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 non-toxic tissue culture grade tubes or flasks. For details on how to perform the protein supplementation see Package Inserts for G-M™ or HSA-solution™.

Embryo biopsy is usually performed on the morning of day 3, before compaction of the blastomeres; biopsies in the zona can be drilled either with Tyrode's acid or with a laser. A separate pipette is needed to remove the biopsied blastomere.

Prepare dishes with droplets of pre-warmed supplemented G-PGD covered with OVOIL™.

Place the embryo in supplemented G-PGD™ at +37 °C. Secure the embryo with the holding pipette.

Drill a hole in the zona. Introduce a clean biopsy pipette into the hole and gently aspirate one or two blastomeres for analysis.

The biopsied embryo should be placed into equilibrated G-2™ PLUS/ supplemented G-2™ for culture until the results of the embryo biopsy analysis are confirmed. The non-affected embryo may be selected for fresh embryo transfer on day 5 or cryopreservation if there is no surplus. The embryo transfer is usually performed on day 5, after the genetic diagnosis has been completed.

Caution: Spend time adjusting the embryo position on the holding pipette so that a nucleated blastomere can be clearly identified and biopsied. If compaction has occurred, there will be junctions between the blastomeres and they will be more difficult to remove. Be patient, pull and move the pipette across and back to ease the blastomere out.

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**Specifications**

Sterile filtered SAL 10°

Mouse embryo assay (1-cell) [% expanded blastocyst within 96 hours] ≥ 80

Bacterial endotoxins (LAL assay) [EU/mL] &lt; 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-PGD™ if it appears cloudy.

G-PGD™ contains gentamicin. Do not use in patients with known hypersensitivity/allergy to the component.

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

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.

**BG: Показания за употреба**

Среда за ембрионална биопсия.

**Описание на продукта**

G-PGD™ е неспецифичен калиев и магнезиев буферизирана с MOPS среда, в която като антибактериален агент се съдържа гентамицин.

За употреба след доведение на разтвор G-M™ или HSA-solution™ и екипажиране на +37 °C при стайна атмосфера.

G-PGD™ в никакъв случай не треба да е поставя в инкубатор с CO<sub>2</sub>, а трябва да се държи в инкубатор без газови или в затворени модул. Ако се използва повърхността под парфарин, маслото не трябва да се екипажира в CO<sub>2</sub>.

Инструкции за съхранение и стабилност

Да се съхранява на тънко при температура от +2 до +8 °C.

С G-PGD™ е спечивана до кончатина на скрипка, обозначен върху етикетата на производителя.

Среда за ембрионална биопсия на разтвор G-M™ или HSA-solution™.

Среда за ембрионална биопсия на разтвор G-PGD™.

