



FreshCells™

Cell Culture Media

For use with the Quidel FreshCells and FreshCells MixedCells™ (R-Mix™, R-Mix Too™, Super E-Mix™ and H&V-Mix™), and FreshFrozenCells® cultures.

FOR *IN VITRO* DIAGNOSTIC USE



INTENDED USE

FreshCells culture media products are intended for use with the Quidel FreshCells and FreshCells MixedCells (R-Mix, R-Mix Too, Super E-Mix and H&V-Mix), and FreshFrozenCells cultures. They are provided as “Ready to Use” solutions in several package size volumes.

SUMMARY

The FreshCells culture media are formulated to supply the cells with the required nutrients during the incubation period. Each medium also contains antibiotics to suppress the growth of bacteria and/or fungi present in specimens.

WARNINGS AND PRECAUTIONS

- For *in vitro* diagnostic use.
- As with all methods for virus identification using cultured cells, personnel must be properly trained in virus culture and safe handling techniques as described in the CDC-NIH manual,¹ i.e., manipulations which present potential personnel hazards should be conducted in a Class II biosafety cabinet and gloves should be worn at all times.
- Cultures and specimens should be autoclaved or disinfected with a solution of sodium hypochlorite (1:10 final dilution of household bleach) prior to disposal.
- Testing should be performed in an area with adequate ventilation.
- Dispose of containers and unused contents in accordance with Federal, State and Local regulatory requirements.
- Wear suitable protective clothing, gloves, and eye/face protection when handling the contents of this kit.
- Wash hands thoroughly after handling.
- For additional information on hazard symbols, safety, handling and disposal of the components within this kit, please refer to the Safety Data Sheet (SDS) located at quidel.com.

STORAGE

FreshCells culture media should be stored at 2°C to 8°C.

STABILITY

Upon receipt, FreshCells culture media should be visually examined for a lack of turbidity and the typical peach to pink color. Do not use any media exhibiting a yellow or purple color or any degree of turbidity as these are all indicators of possible contamination.

QUALITY ASSURANCE

FreshCells culture media is analyzed prior to shipping. A Lot Specification Sheet is supplied with each order to inform the end user of its quality control status. Additionally, visual inspection for a lack of turbidity and the typical peach to pink color should be performed and documented upon receipt.

Negative cell controls should be run with each batch of specimens tested for virus or Chlamydia. Negative controls consist of non-inoculated monolayers that otherwise are handled the same as inoculated monolayers.

Positive virus controls may be run using previously identified viral agents that will produce the result desired from a positive patient sample. While not generally required by regulatory organizations, these may be useful for troubleshooting purposes or for the production of additional external staining controls.

Lot Specifications

Information beyond that provided by the Product Insert, Lot Specification Sheet, or Safety Data Sheet is available upon request.

PROCEDURE

Refer to the Quidel cell-line-specific Package Insert for instructions for use.

FreshCells culture media products are provided in formats and formulations described in Table 1.

Table 1. Cell Culture Media Products

REF	Product	Size	Description
10-160100 10-160500	Zero-Serum Refeed Medium - MEM	100 mL 500 mL	<ul style="list-style-type: none">Recommended for use when cultivating respiratory viruses, i.e., influenza.EMEM with EBSS, 20mM HEPES, Penicillin at 50 units/mL, Streptomycin at 50 µg/mL, Gentamicin at 10 µg/mL, and Amphotericin B at 2.5 µg/mL. Sterile
10-170100 10-170500	Refeed Medium 5% FBS	100 mL 500 mL	<ul style="list-style-type: none">Recommended for use with most cell cultures, for subsequent detection of viruses other than influenza.EMEM with EBSS, 5% FBS, 20 mM HEPES, NEAA, Glutamine, Gentamicin at 10 µg/mL, Penicillin at 50 units/mL, Streptomycin at 50 µg/mL, and Amphotericin B at 2.5 µg/mL. Sterile.
10-200100	Cell Planting Medium	100 mL	<ul style="list-style-type: none">Developed for use in cell culture planting (FreshCells single cell lines and FreshFrozenCells).EMEM with EBSS (Earle's Balanced Salt Solution), 10% FBS, 25 mM HEPES, Glutamine, and Gentamicin at 50 µg/mL. Sterile.
10-200100EU1	Supplement for Cell Planting Medium Base (10-200100EU2)	11 mL tube	<ul style="list-style-type: none">Supplement contains FBS, and Gentamicin sufficient for 100 mL bottle of Cell Planting Medium Base (10-200100EU2). Sterile.
10-200100EU2	Cell Planting Medium Base	100 mL bottle	<ul style="list-style-type: none">EMEM a buffered salt solution with HEPES and other necessary sugars, amino acids and vitamins. Sterile.
10-210125	MRC-5 Cell Growth Medium	125 mL	<ul style="list-style-type: none">DMEM, 10% FBS, Glutamine, and Gentamicin at 50 µg/mL.

REF	Product	Size	Description
		bottle	Sterile.
10-220100 10-220500	ELVIS® Replacement Medium	100 mL 500 mL	<ul style="list-style-type: none"> Developed for use with FreshCells ELVIS HSV Cells. EMEM with EBSS, 7% FBS, 25 mM HEPES, Glutamine, Penicillin at 100 units/mL, Streptomycin at 100 µg/mL and Amphotericin B at 1.25 µg/mL. Sterile.
10-290030	TurboTreat® A Mink Lung Cell Pretreatment Medium	30 mL	<ul style="list-style-type: none"> Recommended for use only with Mink lung CMV cell cultures. EMEM with EBSS, without phenol red, 10% FBS, 25 mM HEPES, Glutamine, and Gentamicin at 50 µg/mL. Sterile.
10-310100	RM-01 Refeed Medium (Zero-Serum Refeed Medium)	100 mL	<ul style="list-style-type: none"> A defined medium with EMEM with EBSS, and Glutamine. Sterile.
10-320100 10-320500	RM-02 Refeed Medium (Standard 2% FBS Refeed Medium)	100 mL 500 mL	<ul style="list-style-type: none"> Recommended for use with most cell cultures, for subsequent detection of viruses other than influenza. EMEM with EBSS, 2% FBS, 25 mM HEPES, Non-essential amino acids (NEAA), Glutamine, Gentamicin at 10 µg/mL, Penicillin at 50 units/mL, Streptomycin at 50 µg/mL, and Amphotericin B at 1.25 µg/mL. Sterile.
10-330100 10-330500	RM-03T R-Mix Refeed Medium	100 mL 500 mL	<ul style="list-style-type: none"> Developed for use with R-Mix cultures (not for use with ReadyCells® cultures). A defined medium with NEAA, Penicillin at 100 units/mL, Streptomycin at 100 µg/mL, and Trypsin (bovine origin) at ~0.5 µg/mL. Sterile.
10-340100 10-340500	Chlamydia Isolation Medium	100 mL 500 mL	<ul style="list-style-type: none"> Recommended for use with Chlamydial cell cultures. EMEM with EBSS, 10% FBS, 25 mM HEPES, 22 mM Glucose, NEAA, Gentamicin at 10 µg/mL, Streptomycin at 50 µg/mL, Amphotericin B at 2 µg/mL and Cyclohexamide at 1 µg/mL. Sterile.
10-350100 10-350500	RM-05 Refeed Medium (Standard 10% FBS Refeed Medium)	100 mL 500 mL	<ul style="list-style-type: none"> Recommended for use with most cell cultures, for subsequent detection of viruses other than influenza. EMEM with EBSS, 10% FBS, 25 mM HEPES, NEAA, Glutamine, Gentamicin at 10 µg/mL, Penicillin at 50 units/mL, Streptomycin at 50 µg/mL, and Amphotericin B at 1.25 µg/mL. Sterile.
10-360100	Zero-Serum Refeed Medium – PS	100 mL	<ul style="list-style-type: none"> A defined medium with NEAA, Penicillin at 100 units/mL and Streptomycin at 100 µg/mL. Sterile.
10-380100 10-380500	Super E-Mix Refeed Medium	100 mL 500 mL	<ul style="list-style-type: none"> Developed for use with Super E-Mix (MixedCells and ReadyCells) cultures. A defined medium with 0.1% FBS, NEAA, Penicillin at 100 units/mL, and Streptomycin at 100 µg/mL. Sterile.
10-390100 10-390500	Zero-Serum Refeed Medium – PSGA	100 mL 500 mL	<ul style="list-style-type: none"> Recommended for use with RhMK cultures when used for cultivation of respiratory viruses, i.e., influenza. A defined medium with NEAA, Penicillin at 100 units/mL, Streptomycin at 100 µg/mL, Gentamicin at 50 µg/mL, and Amphotericin B at 1.25 µg/mL. Sterile.
05-360075	R-Mix Rinse Buffer (ReadyCells)	75 mL	<ul style="list-style-type: none"> Developed for use with R-Mix ReadyCells cultures. A defined medium with NEAA, Penicillin at 100 units/mL and Streptomycin at 100 µg/mL. Sterile.
05-370100	R-Mix Refeed Medium (ReadyCells)	100 mL	<ul style="list-style-type: none"> Developed for use with R-Mix ReadyCells cultures (not for use with FreshCells cultures). A defined medium with NEAA, Penicillin at 100 units/mL, Streptomycin at 100 µg/mL, and Trypsin (bovine origin) at ~0.33 µg/mL. Sterile.

LIMITATIONS

Culture media products are intended for use with the FreshCells, MixedCells, ReadyCells, and FreshFrozenCells cultures.


ASSISTANCE

To place an order or for technical support, please contact a Quidel Representative at 800.874.1517 (in the U.S.) or 858.552.1100 (outside the U.S.), Monday through Friday, from 8:00 a.m. to 5:00 p.m., Eastern Time. Orders may also be placed by fax at (740) 592-9820. For e-mail support contact customerservice@quidel.com or technicalsupport@quidel.com.

For services outside the U.S.A., please contact your local distributor. Additional information about Quidel, our products, and our distributors can be found on our website quidel.com.

REFERENCES

1. CDC-NIH Manual, *Biosafety in Microbiological and Biomedical Laboratories* (BMBL), 5th edition, 2007, CDC-NIH manual. [<http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm>]

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REF

Catalogue number



CE mark of conformity

EC REP

Authorized Representative
in the European Community

LOT

Batch code



Use by



Manufacturer



Temperature limitation



Intended use



Consult e-labeling
instructions for use



Biological risks

IVD

For *In Vitro* diagnostic use

CONT

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