

Material Safety Data Sheet (MSDS)

ARTSMedia In Vitro Culture Medium (AM-IVC Medium)

Product Number: 501010 | Issue: 3 | Date of Revision: 01. June 2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:**Product form:** Mixture**Product name:** ArtsMedia In Vitro Culture Medium (AM-IVC Medium)

Product use: ARTSMedia In Vitro Culture Medium (AM-IVC Medium) is a culture medium intended for in vitro fertilization and in vitro culture of human gametes and embryos from fertilization until the blastocyst stage of development (day 5). The medium can also be used for embryo transfer.

Details of the supplier of the safety data sheet

ARTSMedia Denmark ApS

Kongevejen 149,

2630 Virum

Denmark

info@artsmedia.dk**Customer service:** +45 53504530**Emergency telephone number****Emergency number:** +45 82121212 (24-hours service 7 days a week)

SECTION 2: Hazards identifications

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

SECTION 3: Composition/information on ingredients

Component	CAS No.	%
Potassium chloride	7447-40-7	<0,1
Magnesium sulfate, 7 H ₂ O	39537-23-0	<0,1
Potassium phosphate monobasic, anhydrous	7778-77-0	<0,1
Magnesium chloride 6H ₂ O	7791-18-6	<0,1
Sodium chloride	7647-14-5	0,1-1
Calcium chloride dihydrate	10035-04-8	<0,1
Sodium bicarbonate	144-55-8	0,1-1
Insulin	11061-68-0	<0,1
Sodium selenite	10102-18-8	<0,1
Ethanolamin	141-43-5	<0,1
EDTA	60-00-4	<0,1
EDTA FE ₃ + iron(III) sodium salt	15708-41-5	<0,1
Tri sodium citrate dihydrate	6132-04-3	<0,1

Company address:ARTSMedia Denmark ApS
Kongevejen 149
2830 Virum
Denmark**Company details:**CRN: 41808845
VAT number: DK41808845
Phone: +45 53 50 45 30
info@artsmedia.dk**Bank account:**Bank: Sparekassen Sjælland
Registration number: 6070
Account number: 0000379518
SWIFT: SWESDK22
IBAN: DK3560700000379518

Component	CAS No.	%
Zink sulfate heptahydrate	7446-20-0	<0,1
Gentamicin sulphate salt	1405-41-0	<0,1
Glycine	56-40-6	<0,1
L-aspartic acid	56-84-8	<0,1
BME amino acid solution 50x	N/A	0,1-1
MEM amino acid solution 100x	N/A	0,1-1
Alanyl-L- glutamine	39537-23-0	<0,1
BME vitamin solution 100x	N/A	0,1-1
Myo Inositol	87-89-8	<0,1
Calcium-L-lactate hydrat	5743-47-5	<0,1
D-(+)-Glucose anhydrat	50-99-7	<0,1
Sodium pyruvate	113-24-6	<0,1
Albumin (Human, HSA), USP	70024-90-7	0,1-1
Hyaluronic acid	9067-32-7	<0,1
Phenol Red sodium salt	34487-61-1	<0,1
Ultrapure water	7732-18-5	>90

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First aid measures after inhalation: Allow affected person to breath fresh air. Allow the victim to rest.

First aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Foam, Dry powder, Carbon dioxide, Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

SECTION 6: Accidental release measures

Absorb on suitable absorbent, such as paper tissue

SECTION 7: Handling and storage

Storage conditions: Keep only in the original container in at 2-8 °C, and keep away from direct (sun)light. Keep container closed when not in use. Do not freeze. Do not use after expiry date. Cannot be resterilized after opening.

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SECTION 8: Exposure controls/Personal protection

Avoid contact with skin and eyes. Use Protective clothes. Wash thoroughly after handling.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Reddish transparant liquid
Odour	Odourless
Odour threshold	No data available
pH	7.2 – 7.45 (@37°C and 5-6% CO ₂)
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	Highly soluble in water
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

SECTION 10: Stability and Reactivity

Chemical stability

Aim stability for 18 months from date of manufacture, under the right storage conditions (see section 7)
Stable after transport (max. 5 days) at elevated temperature ($\leq 37^{\circ}\text{C}$).

Conditions to avoid

Direct (sun)light.
Extremely high or low temperatures.

SECTION 11: Toxicological information

Information on toxicological effects

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Mea-Test: Passed

Following test is passed:

Cytotoxicity (ISO 10993-5:2009)

Vaginal irritation (ISO 10993-10:2010)

Skin sensitization (ISO 10993-10:2010)

Other information:

Human Serum Albumin: The plasma which is the source of the human serum albumin is tested for antibodies to HIV and HCV and non-reactive for HbsAg, HBV RNA, HCV RNA, HIV-1 RNA and syphilis. The albumin agrees with all the requirements set forth by the European and United States health authority regarding safety.

Route of exposure: With embryo transfer and intra-uterine insemination, the medium can come into direct contact with the uterus mucosal membranes.

SECTION 12: Ecological information

No ecological information available

SECTION 13: Disposal considerations

Waste treatment methods

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials:

Avoid release to the environment.

SECTION 14: Transport information

Classified as non-hazardous for transport

SECTION 15: Regulatory information

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

SECTION 16: Other information

No other information

ARTSMedia Denmark ApS is not liable for any damage resulting from handling or contact with this product

Doc. ID: AM01-DHF011, Version 3.0, 2023.06.01.

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