



HYBRIDOMA CELL CULTURE & ANTIBODY PRODUCTION

ISF-1, Serum free Medium
Hybridoma Growth Medium 6 & 7

Hybridoma

Facilitate & Support the Growth of Hybridoma Cell Cultures

Hybridomas are widely used to produce various monoclonal antibodies for Research & Development and production. To facilitate and support the growth of hybridoma cell cultures, BioConcept has developed a set of proprietary media with different characteristics for this purpose. BioConcept portfolio of hybridoma media includes ISF-1, HYGM-6 and HYGM-7.

Product Overview

	ISF-1	HYGM-6	HYGM-7
Serum free	✓	✓	✓
Hydrolysate free	✓	✓	✓
Animal component free		✓	✓
Protein free			✓
Chemically defined		✓	✓
Versatile	+++++	++++	+++
Ease of use	+++++	++++	+++

Medium of Choice for any Situation

As a general broad based hybridoma medium for various hybridoma cultures

ISF-1

Serum free Medium

For difficult to culture hybridomas

For difficult to culture
antibodies

Where a chemically defined,
serum-free, hydrolysate free,
animal component free
medium is required.

HYGM-6

Hybridoma Growth Medium 6

Where greater regulatory clearance is
required for the development of **diagnostic
and medical kits and systems**

HYGM-7

Hybridoma Growth Medium 7

Where a chemically defined, serum-free,
hydrolysate free, **protein free**, animal
component free medium is required.

ISF-1

ISF-1 Medium is a serum-free, low-protein medium formulated to support the growth of hybridomas used in the manufacturing of monoclonal antibodies.

Features and Benefits

ISF-1 is designed to support the rapid growth of cells to high densities and the maintenance of viable cells for extended periods of culture. The formulation reduces raw material cost, and the low protein level reduces costs associated with downstream processing. ISF-1 is a complete and ready-to-use medium without the requirement for the addition of any other component and ingredients. ISF-1 medium is manufactured by BioConcept and is routinely tested for endotoxin. ISF-1 is a very cost-effective medium for the culture of all hybridomas and is favorably priced compared to all other hybridoma media. Purified components in the product reduce the variability sometimes observed with biological materials leading to improved consistency of the medium performance. Cells can be successfully transferred from serum-supplemented cultures to ISF-1 with little or no adaptation.

Adaptation

The medium is sufficiently powerful to support the growth of most hybridomas. For difficult to culture hybridomas for 100% success, a serial adaptation procedure is recommended. For serial adaptation, following scenario is recommended (100% current medium >75% current medium/25% ISF-1 >50% current medium / 50% ISF-1 >25% current medium/75% ISF-1 >100% ISF-1)

Storage conditions

Do not freeze. Protect from light. Several components of the medium are light sensitive and should not be exposed to light for lengthy periods of time. When stored at 2–8°C in the dark, medium is stable until the expiration date indicated on the label. Other notes ISF-1 is a proprietary formulation which includes inorganic salts, essential and nonessential amino acids, stable glutamine, vitamins, sodium bicarbonate, trace elements, fatty acids, and other organic compounds. To protect the cells from shear forces in the production process a surfactant is included in the medium. ISF-1 is not suitable for cholesterol dependent cell lines (e.g. NSO and its variants) without further supplementation of lipoproteins.

Cat. No	Description	Size
1-57S97-I	ISF-1 Hybridoma	500 ml
1-57S97-K	ISF-1 Hybridoma	1 L

Other sizes (bottles, bags) and bulk is available upon request.

Hybridoma Growth Medium 6 & 7

Traditional hybridoma culture media requiring serum supplementation have in recent years been replaced by a variety of commercially available serum-free formulations. Many serum free formulations contain proteins and/or protein hydrolysates and lysates.

As a result of a trend towards greater levels of media definition and the need for replacement of components of animal origin with non-animal derived materials, many serum-free media formulations are considered unacceptable for certain applications. HYGM-7 is a protein-free product for growth of hybridomas and monoclonal antibody production. HYGM-6 is a serum free medium that supports growth and monoclonal antibody production of a variety of hybridoma cell lines.

Hybridoma Growth Medium 6 (HYGM-6)

Hybridoma Growth Medium 6 (HYGM-6) is a Serum Free (SF), Hydrolysate Free (HLF), Animal Component Free (ACF) and Chemically Defined (CD) medium for the cultivation of various hybridomas. HYGM-6 is a complete and ready to use medium that will require no further addition of other ingredients and supplements. The sole protein component of this chemically defined medium is high purity therapeutic grade recombinant human insulin. HYGM-6 is produced with and without Phenol Red to provide different options for users.

Hybridoma Growth Medium 7 (HYGM-7)

Hybridoma growth medium 7 (HYGM-7) is a Serum Free (SF), Hydrolysate Free (HLF), Protein Free (PF), Animal Component Free (ACF) and Chemically Defined (CD) medium for the cultivation of various hybridomas. HYGM-7 is completely free of any undefined components, and it is entirely chemically defined resulting in no variability and high reproducibility. It is therefore a medium of choice for applications where a higher level of quality and regulatory clearance is required.

Cat. No	Description	Size
9-00F55-I	HYGM-6 Express, with phenol red	500 ml
9-00F57-I	HYGM-6 Express, w/o phenol red	500 ml
9-00F56-I	HYGM-7 Express, with phenol red	500 ml
9-00F58-I	HYGM-7 Express, w/o phenol red	500 ml

Other sizes (bottles, bags) and bulk is available upon request.

BioConcept is a leading manufacturer and service partner for numerous top-tier pharmaceuticals and academic institutions in Switzerland and around the world.

BioConcept has been operating under a certified quality management system since 1995. Our production site for liquid and powder media production is located in the Life Science area Basel (Switzerland).



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