



For Cell Culture Use

Catalog No. CK018, CK019

RITC80-7 Medium

Packaging

500 mL × 1 bottle / box (CK018)

1000 mL × 1 bottle / box (CK019)

RITC80-7 Medium_{1,2} is a basal medium developed for serial passaging and colony-like growth of human fibroblasts. With the addition of serum, cell growth factors, and other supplements, it serves as an excellent base medium for promoting the growth of a variety of fibroblasts, including human cells.

Composition (mg/L)

Sodium Chloride	6800	L-Histidine	31.1
Potassium Chloride	400	L-Isoleucine	52.0
Magnesium Sulfate (Anhydrous)	93.50	L-Leucine	52.0
Sodium Dihydrogen Phosphate (Monohydrate)	115.0	L-Lysine Hydrochloride	73.0
Calcium Chloride (Anhydrous)	200.0	L-Methionine	15.0
Copper(II) Sulfate (Pentahydrate)	0.000025	L-Phenylalanine	32.0
Ferrous Sulfate (Heptahydrate)	0.8	L-Proline	3.5
Manganese Sulfate (Monohydrate)	0.000015	L-Serine	10.5
Ammonium molybdate (tetrahydrate)	0.0013	L-Threonine	48.0
Nickel chloride (hexahydrate)	0.000012	L-Tryptophan	10.0
Ammonium metavanadate	0.000058	L-Tyrosine	36.0
Sodium selenite	0.00039	L-Valine	46.0
Sodium hydroxide*	-	Biotin	0.02
Sodium bicarbonate	1400	Calcium pantothenate	1.0
HEPES	3300	Choline chloride	16
Sodium pyruvate	110	Folic acid	1.0
Glucose	1000	i-Inositol	2.0
Succinic acid	75.0	Nicotinamide	1.0
Sodium succinate (hexahydrate)	100.0	Pyridoxal hydrochloride	1.0
Phenol red	6.0	Riboflavin	0.1
Gentamicin sulfate	10.0	Thiamine hydrochloride	1.0
L-Arginine hydrochloride	126.0	Hypoxanthine	0.24
L-Aspartic acid	13.30	Thymidine	0.07
L-Cystine hydrochloride	28.18	Calcium folinate	0.00005
L-Glutamic acid	0.15	Vitamin B12	0.2
L-Glutamine	292	Putrescine hydrochloride	0.02
Glycine	7.50		

Adjust to pH 7.3 with 1N sodium hydroxide.

《Directions for Use》

This product is a sterile, ready-to-use liquid medium. By aseptically adding serum and/or various cell growth factors, it can be used as a cell culture medium for cell proliferation. Shelf life is approximately 6 months from the date of manufacture (see label).

《Storage》

Store refrigerated (2–4°C) in a cool, dark place. When kept refrigerated and unopened, performance is maintained until the date shown on the label (6 months after manufacture). Avoid freezing, as it may reduce performance. If warming is required, aseptically aliquot only the needed amount and warm at 37°C or below.

《Precautions》

- This product is a culture medium for animal cells.
- Do not leave at room temperature or 37°C for extended periods, as biological activity may be lost even within the expiration date.
- This product is a reagent for research use only. Do not use it for humans or for clinical diagnostic purposes.
- Contains trace amounts of pharmaceutical toxic substances; do not ingest.

References

- 1) I. Yamane, M. Kan, H. Hoshi, Y. Minamoto: Exp. Cell Res. 134:470-474. 1981.
- 2) H. Hoshi, M. Kan, Y. Minamoto, I. Yamane: Biomed. Res. 3:546-552. 1982.

For research use only. Not for diagnostic use



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