

## RPMI 1640 Medium

### Product Use

RPMI 1640 Medium was developed for culturing normal human leukocytes. It can be used for suspension and monolayer mammalian cultures.

### RPMI 1640 Medium – Liquid

08-012	without L-glutamine, media bag
09-774	with L-glutamine, 25 mM HEPES, 100 units/ml penicillin and µg/ml streptomycin
12-115	With 25 mM HEPES, with L-glutamine
12-167	without L-glutamine
12-702	with L-glutamine
12-918	without L-glutamine, without phenol red

### RPMI 1640 Medium – Powder\*

15-702	with L-glutamine
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\*RPMI 1640 powder media does not contain sodium bicarbonate in the powder mixture. The recommended sodium bicarbonate (NaHCO<sub>3</sub>) concentration for RPMI 1640 Medium is 26.7 ml/L of 7.5% NaHCO<sub>3</sub> solution or 2.0 g/L of NaHCO<sub>3</sub> powder.

The recommended L-glutamine concentration in RPMI 1640 Medium is 2.1 mM (300 mg/L of L-glutamine powder or 10.3 ml of 200 mM L-glutamine solution).

### Quick Reference Chart

	L-glutamine	HEPES	Pen/strep	Phenol red	Container
08-012	-	-	-	+	media bag
09-774	+	+	+	+	bottles
12-115	+	+	-	+	bottles
12-167	-	-	-	+	bottles
12-702	+	-	-	+	bottles
12-918	-	-	-	-	500 ml bottles
15-702	+	-	-	+	powder

### Storage/Shelf Life

	storage temperature
04-557	2°C to 8°C
04-558	15°C to 30°C
08-012	2°C to 8°C
09-774	2°C to 8°C
12-115	2°C to 8°C
12-167	15°C to 30°C
12-702	2°C to 8°C
12-918	15°C to 30°C
15-702	2°C to 8°C

## Specifications

	Sterility	pH	Osmolality (mOsm)	Cell growth promotion (% of control)	Endotoxin (EU/ml)
04-557	neg.	7.0-7.4	271-295	--	FIO
04-558	neg.	7.0-7.5	FIO	--	FIO
08-012	neg.	FIO	FIO	--	FIO
09-774	neg.	FIO	FIO	--	--
12-115	neg.	7.12-7.48	271-315	≥75%	FIO
12-167	neg.	6.9-7.4	270-293	≥75%	FIO
12-702	neg.	6.9-7.3	271-295	≥75%	FIO
12-918	neg.	7.0-7.4	270-293	≥75%	FIO
15-702	--	7.1-7.9*	215-245	≥75%	≤ 1.0

\* w/o NaHCO<sub>3</sub>

FIO – for information only

## Product Use Statement

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.

## Ordering Information

Catalog number	Description	Size
08-012B	RPMI without L-glutamine, media bag	10 L
08-012F	RPMI without L-glutamine, media bag	20 L
09-774E	RPMI with L-glutamine, 25 mM HEPES, 100 units/ml penicillin and µg/ml streptomycin	100 ml
09-774F	RPMI with L-glutamine, 25 mM HEPES, 100 units/ml penicillin and µg/ml streptomycin	500 ml
12-115F	RPMI with 25 mM HEPES, with L-glutamine	500 ml
12-115Q	RPMI with 25 mM HEPES, with L-glutamine	1 L
12-167F	RPMI without L-glutamine	500 ml
12-167Q	RPMI without L-glutamine	1 L
12-702F	RPMI with L-glutamine	500 ml
12-702Q	RPMI with L-glutamine	1 L
12-918F	RPMI without L-glutamine, without phenol red	500 ml
15-702D	RPMI with L-glutamine	1 x 10 L