

ATCC Medium 1470: Modified Leptospira Medium

REAGENTS:

N/A **Base Medium**

Peptone	0.3 g
Beef Extract	0.2 g
NaCl	0.5 g
Agar (see note section)	1.5 g
Supplement A (see below)	100 mL
Distill water	900 mL

N/A **Supplement A**

Sterile Rabbit Serum	100 mL
*0.05% Hemin solution (see below)	2.5 mL

N/A ***Hemin solution (0.05%)**

Hemin	0.05 g
0.1N NaOH	1 mL
DI Water	99 mL

PROCEDURE:

Steps

N/A **To make ATCC Medium 1470:**

Accurately weigh out Base Medium reagents EXCEPT Supplement A
Dissolve completely into DI water
Start time: _____ End time: _____
Adjust to pH 7.4.
Autoclave at 121°C for 15 minutes.
Cool to 50°C
Aseptically add sterile supplement A to Base medium (see below for Supplement A)
Adjust final pH to 7.3 ± 0.1

N/A **To make Supplement A:**

Accurately measure Sterile Rabbit Serum and 0.05% Hemin Solution (see below)
Mix well
Filter sterilize

N/A **To make 0.05% Hemin Solution:**

Accurately weigh out Hemin
Dissolve hemin in NaOH
Add DI water.
Autoclave at 121°C for 15 minutes or by filter sterilization
Add to Sterile Rabbit Serum (part of Supplement A)

NOTE:

This media is made with thickened broth. Add 1.5% agar to all vessel types, including bottles and tubes.