

# Fildes Enrichment



- For in vitro use only -

## Catalogue No.

VF50-100 Fildes Enrichment [100-mL / 2000-mL] (Liquid)

Fildes enrichment is an enzymatic digest of blood used to enhance the growth of fastidious organisms. The resultant digest is rich in growth factors including X and V factor required by some bacterial species such as *Haemophilus influenzae*.

## Active Ingredients per 100-mL Bottle (Each bottle prepares 2000-mL of media)

Pepsin .....	0.5 g
Sodium Chloride .....	0.85 g
Defibrinated Sheep Blood.....	25 mL
Purified Water .....	75 mL

## Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
BBL	Trypticase Soy Broth	211043
Difco	Tryptic Soy Broth	236950
Oxoid	Nutrient Broth No.2	CM67
Difco	Nutrient Agar	213000
Oxoid	Nutrient Agar	CM3
Oxoid	Blood Agar Base	CM55

## Recommended Procedure for Media Preparation

### Fildes Broth

1. Allow one 100-mL bottle of Fildes Enrichment to adjust to room temperature prior to using.
2. Prepare and sterilize 1-L of Nutrient Broth or Tryptic Soy Broth according to the manufacturer's recommendations. (Heat with stirring until dissolved then autoclave for 15 minutes at 121°C)
3. Cool medium to room temperature.
4. Mix supplement well before adding.
5. Measure 50-mL of Fildes Enrichment and aseptically add to the broth; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile tubes or containers.

## Fildes Agar

1. Allow one 100-mL bottle of Fildes Enrichment to adjust to room temperature prior to using.
2. Prepare and sterilize 1-L of Nutrient Agar (or Oxoid Blood Agar) according to the manufacturer's recommendations. (Heat with stirring until dissolved then autoclave for 15 minutes at 121°C)
3. Cool medium to 45 to 50°C.
4. Mix supplement well before adding.
5. Measure 50-mL of Fildes Enrichment and aseptically add to the nutrient agar; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile petri dishes.

## Quality Control

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 35°C for up to 48 hours.

Organism	Expected Results
<i>Haemophilus influenzae</i> ATCC 10211	Growth
<i>Neisseria meningitidis</i> ATCC 700344	Growth

## Storage and Shelf Life

Our Fildes Enrichment should be stored in the upright position at 4-8°C; under these conditions the product has a shelf life of 52 weeks from the date of manufacture.

Original: March 2004 Updated: April 2006 Checked: January 2014