

## Product Manual

### 【Product Name】

Chromogenic Candida Agar

### 【Product Code and Packing Specification】

Code	Type	Specifications
CRM016A	Powder	250g/bottle

### 【Product Usage】

Used for the selective separation and preliminary identification of Candida, especially Candida albicans.

### 【Test Principle】

Peptone and sugars provide carbon and nitrogen sources, sodium chloride can maintain a balanced osmotic pressure, and agar is a culture medium coagulant; inhibitors inhibit the growth of miscellaneous bacteria, and the mixed pigment reacts specifically with the corresponding enzyme to hydrolyze the substrate, release the chromogenic group, and cause Candida albicans to form blue-green colonies.

### 【Formulation】

Formulation (per liter)	Content
Peptone	15.0g
Carbohydrate	11.0g
Distilled water	1000mL
Agar	15.0g
Bacteriostatic agent	1.0g
Mixed pigment	2.0g
The final pH is 6.1±0.2	

### 【Instructions】

Weigh 44g of this product, add 1000mL of distilled water or deionized water, stir, heat and boil until completely dissolved, cool to about 50°C, pour into a sterile plate in a sterile environment, wait for solidification and set aside.

### 【Quality Control】

The following quality control strains were inoculated and cultured at 30-35°C for 48-72 hours. The results are as follows:

Index	Quality control strain and number	Standard value	Characteristic reactions
Growth rate	<i>Candida albicans</i> ATCC10231	PR: 0.5 ~ 2.0	Green-blue colonies
Specificity	<i>Candida krusei</i> ATCC34135	-	Purple-red colonies, flat and irregular
	<i>Candida glabrata</i> ATCC15126		Purple-red center with pink surroundings
	<i>Candida tropicalis</i> ATCC1369		Iron-blue colonies
Selectivity	<i>Escherichia coli</i> CMCC (B) 44102	G≤1	-

### 【Storage Conditions and Shelf Life】

2-8°C, store in a dark and dry place. Storage period: 2 years.

### **【Precautions】**

1. Pay attention to dust when weighing, and wear a mask to avoid causing discomfort to the respiratory system.
2. Tighten the bottle cap immediately after use of the dry powder culture medium to avoid moisture absorption and agglomeration. Store at 2-8°C, away from light and in a dry place.
3. The quality inspection report can be downloaded by logging on to the Huankai website <http://www.huankai.com>, opening the "Download Center" page, and entering the product batch number.

### **【Waste Disposal】**

After testing, the contaminated items need to be autoclaved at 121°C for 30 minutes before processing.

### **【Executive Standard】**

Q/HKSJ 03

### **【Explanatory Version】**

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