

# NSI水质微生物质控样



提供：  
英文证书  
中文使用说明书  
项目分析确认值  
质控接受区间

项目	浓度	货号	价格
埃氏&耐热&总大肠菌群	1000-2000CFU/100mL	NSI_9001H	¥ 450
	< 200CFU/100mL	NSI_9001L	¥ 450
大肠埃希氏菌	耐热大肠菌群	总大肠菌群	
脱水片水解于100mL无菌水中使用			
菌落总数	5-500CFU	NSI_HPCQC	
脱水片水解于100mL无菌水中使用			
			¥ 450

以下项目 整盒出售, 10支/盒 - 2580元	货号
<i>P.aeruginosa</i> (NCTC 12951) 绿脓杆菌	10662-10
<i>E.aerogenes</i> (NCTC 10006) 产气肠杆菌	10006-10
<i>Klebsiell spp</i> (NCTC 8167) 克氏杆菌	8167-10
<i>E.faecalis</i> (NCTC 775 )粪肠球菌	775-10

# Certificate of Analysis

**E. coli, Total Coliform, and Fecal Coliform CRM**

 Catalog Number: 9001L  
 Lot Number: 200327  
 Manufacture Date: 03/27/2020  
 Certified Date: 04/06/2020

 Expiration: 05/31/2021  
 Matrix: Flash Pellet  
 Hazards: Infectious  
 (See MSDS)

Analyte	Strain #	ATCC #	Certified Activity (MPN or CFU/100 mL)	Acceptance Limits (MPN or CFU/100 mL)
Escherichia coli (MPN) <sup>1</sup>	NCTC 9001	11775	88 ± 12	19 - 425
Total Coliform (MPN) <sup>1</sup>	NCTC 9001	11775	88 ± 12	18 - 436
Fecal Coliform (MPN) <sup>2</sup>	NCTC 9001	11775	57 ± 7	10 - 361
Escherichia coli (MF) <sup>3</sup>	NCTC 9001	11775	77 ± 11	19 - 389
Total Coliform (MF) <sup>3</sup>	NCTC 9001	11775	77 ± 11	26 - 187
Fecal Coliform (MF) <sup>4</sup>	NCTC 9001	11775	21 ± 4	4 - 136

## Packaging and Storage

Must store at -10°C to -20°C. Activity, uncertainty, and stability is based upon this storage temperature.

This certified reference material (CRM) is a lyophilized pellet packaged under vacuum in a 5 mL glass vial. This CRM must be rehydrated and analyzed in its entirety for certified activity and associated uncertainty to be applicable.

**Precautions:** Microbiological Reference Materials are designed for use for quality control in appropriately equipped microbiology laboratories by trained personnel. These reference materials contain viable microorganisms and should be handled according to appropriate biosafety level guidelines and disposed of according to applicable biohazard disposal regulations.

## Principle, Explanation, & Reagents

This E. Coli, Total Coliform, and Fecal Coliform certified reference material (CRM) is a dehydrated pure culture of the organism produced by a proprietary process that yields stable, reliable, and cost effective samples that are homogenous and quantifiable. It is a lyophilized sample that must be rehydrated prior to use. Microorganism suspensions preserved by our process retain their viability, biochemical profile, and susceptibility patterns. The ingredients used to prepare the suspension preserve the microorganisms for use when needed. When rehydrated, the samples are ready for immediate use. Inactive ingredients may include: Albumin, Gelatin, Dextrose, Glycerol, Na-L-Ascorbate, Mannitol, Skim Milk, Trehalose, TSB, Na-L-Glutamate, Sucrose, Page's Saline.

## Instructions for Use:

Do not open the sample vial until the entire COA has been reviewed. Allow no more than 30 minutes to elapse from the completion of hydration and introduction of sample to media.

- Retrieve a sample from the freezer and allow the capped sample vial to equilibrate to room temperature (15-30°C). Do not open vial until equilibration is complete. This should take approximately 15 minutes.
- Retrieve a 100 mL vial of sterile water or phosphate buffer. Once the sample is at room temperature, open the sample vial and aseptically transfer the pellet to the hydration fluid.
- Once the transfer is complete, shake gently to dissolve. Full dissolution will take no more than 10 minutes.
- This is your sample for analysis. Analyze according to your usual laboratory procedures.


 ISO 9001:2015 UL Registered Firm - Certificate # 10002343 QM15  
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 ISO/IEC 17025:2017  
 Certificate AT-1690

# Certificate of Analysis

**HPC Control CRM**

 Catalog Number: HPCQC  
 Lot Number: 200511  
 Manufacture Date: 5/11/2020  
 Certified Date: 5/28/2020

 Expiration: 11/30/2021  
 Matrix: Flash pellet  
 Hazards: Infectious

Analyte	Strain #	ATCC #	Certification Method	Certified Activity CFU or MPN/mL	Acceptance Limits (cfu or MPN/mL)	
					2*SD	3*SD
Heterotrophic Organisms <sup>1</sup>	NCTC 775	19443	IDEXX Simplate® (MPN/mL) Plate Count (CFU/mL)	280 ± 16	207 - 354	170 - 390
Heterotrophic Organisms <sup>2</sup>				344 ± 72	298 - 389	276 - 412

## Packaging and Storage

Sample vial must be stored unopened at -10°C to -20°C. Activity, uncertainty, and stability are based upon this storage temperature.

The Heterotrophic Plate Count CRM is a lyophilized quick dissolve sample packaged in a 5 mL glass vial under vacuum that must be rehydrated prior to use. This CRM must be analyzed in its entirety for certified activity and associated uncertainty to be applicable.

## Precautions

Microbiological Reference Materials are designed for use for quality control in appropriately equipped microbiology laboratories by trained personnel. These reference materials contain viable microorganisms and should be handled according to appropriate biosafety level guidelines and disposed of according to applicable biohazard disposal regulations.

## Instructions For Use

Do not open the sample vial until the entire COA has been reviewed. Allow no more than 30 minutes to elapse from the completion of hydration and introduction of sample to media.

- Retrieve a sample from the freezer and allow the capped sample vial to equilibrate to room temperature (15-30°C). Do not open vial until equilibration is complete. This should take about 15 minutes.
- Retrieve a 100 mL vial of sterile water or phosphate buffer. Once the sample is at room temperature, open the sample vial and transfer the pellet to the hydration fluid. This transfer may be performed with sterile tweezers or simply by inverting the open sample vial over the hydration fluid.
- Once the transfer is complete, cap the hydration fluid vial. Swirl the sample to dissolve. Full dissolution should take no longer than 5 minutes.
- Mix by inversion several times. This is your sample for analysis.
- Review certified activity to determine if a dilution of the hydrated sample is required for your method. Analyze according to your usual laboratory procedures.

## Principle, Explanation, & Reagents

This HPC standard is a dehydrated pure culture of the organism produced by a proprietary process that yields stable, reliable, and cost effective samples that are homogenous and quantifiable. It is a dried sample that must be rehydrated prior to use. Microorganism suspensions preserved by our process retain their viability, biochemical profile, and susceptibility patterns. The ingredients used to prepare the suspension preserve the microorganisms for use when needed. When rehydrated, the samples are ready for immediate use. Inactive ingredients may include: Albumin, Gelatin, Dextrose, Glycerol, Na-L-Ascorbate, Mannitol, Skim Milk, Trehalose, TSB, Na-L-Glutamate, Sucrose, Page's Saline.


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 ISO/IEC 17025:2017  
 Certificate AT-1690

# 分析证明书

**埃氏、总大肠菌群、耐热(粪)大肠菌群 质控粉**

 产品编号: 9001  
 产品批号: 200327

 保质期: 2021-05-31  
 危险性: 感染

项目	确认值 (MPN or CFU/100mL)	接受区间 (MPN or CFU/100mL)
大肠埃希氏菌 (MPN) - 爱德华法	88 ± 12	19 - 425
总大肠菌群 (MPN) - 爱德华法	88 ± 12	18 - 436
耐热大肠菌群 (MPN) - 爱德华法	57 ± 7	10 - 361
大肠埃希氏菌 (MF) - SM9222B法	77 ± 11	19 - 389
总大肠菌群 (MF) - SM9222B法	77 ± 11	26 - 187
耐热大肠菌群 (MF) - SM9222B法	21 ± 4	4 - 136

## 包装及保存

样品必须-10°C~-20°C密封保存。活性、不确定度、稳定性均基于此保存条件设置

该标准物质密封在玻璃瓶中, 水解后使用, 样品一次整片使用, 不可分别使用

## 注意

该标准物质用于微生物实验室(具有专业人员及设备)的质量控制, 该标准物质含微生物, 操作及存放应当依照适当的生物安全等级操作指南及微生物危害管理措施。

## 使用说明

由于微生物的敏感性及水化后只能短时间保存(不超过30分钟), 请务必阅读全部的配制说明后再开始操作, 请严格按照配制说明操作, 以确保微生物可用

- 回温至室温(15-30°C)(该过程需要15分钟), 在回温至室温前不要打开样品瓶, 湿气可能损害样品, 影响回收率
- 一旦至室温, 打开样品瓶, 将样品片转入100mL无菌水中(直接倒入或者用无菌镊子)
- 将上述盖子轻轻旋转溶解, 在室温条件下水解不超过10分钟(水解过程需震荡以加速溶解), 确认样品片完全溶解, 再继续10次混合均匀, 准备要分析的溶液
- 以贵实验室常规步骤分析

## 原则、解释、试剂

该标准物质为水产品, 经过适当程序制备, 稳定、可靠、可量化、均可用作使用, 使用时必须冷藏, 依照规定的程序保存, 可保持、可用性, 生化检验及敏感性, 需要时需用非活性物质, 水解后立即使用, 非活性物质可能包括: 白蛋白, 明胶, ...

## 溯源、用途、不确定度、均匀性、稳定性、保质期

见英文证书

# 分析证明书

**菌落总数 质控粉**

 产品编号: HPCQC  
 产品批号: 200511

 保质期: 2021-11-30  
 危险性: 感染

项目	确认值 (MPN or CFU/mL)	接受区间 (MPN or CFU/mL)
异养菌-IDEXX simplate	280 ± 16	207 - 354
异养菌-Plate count	344 ± 72	298 - 389

## 包装及保存

样品必须-10°C~-20°C密封保存。活性、不确定度、稳定性均基于此保存条件设置

该有证标准物质为5mL玻璃瓶真空封装的快速冻干样, 需水解使用, 该标准物质必须整片分析, 不可分别使用

## 注意

该标准物质用于微生物实验室(具有专业人员及设备)的质量控制, 该标准物质含微生物, 操作及存放应当依照适当的生物安全等级操作指南及微生物危害管理措施。

## 使用说明

在认真阅读本COA前切勿打开样品, 稀释后仅有30分钟的分析时间

- 冰取回, 回温15分钟至室温, 其他准备就绪前勿打开样品瓶, 湿气可能损害样品。
- 取100mL无菌水做稀释液, 样品一旦回温至室温, 打开样品瓶转移至稀释液中, 该过程可以用无菌镊子夹取或直接倒入
- 一旦转移完成, 盖紧瓶盖, 来回震荡以使样品5分钟内完全水解
- 上下翻转10次混匀, 所得即为要分析的溶液
- 测定溶液浓度, 根据分析方法确定是否需要稀释

## 原则、解释、试剂

该标准物质标准物质是一个有机物质水产品, 该产品具有稳定的、均匀、可信、经济实惠等特点, 该标准物质是水溶于水产品, 必须水解使用, 我们的程序过程使微生物悬浮液保持可用性、生化性, 及敏感性, 为使样品水溶解并保存待用立即使用, 用到的非活性原料成分可能包括: 白蛋白, 明胶, 葡萄糖, 甘油, Na-L-肌酐, 甘露糖, 胆固醇, 海藻糖, TSB, Na-L-谷氨酸盐, 蔗糖, 偶氮蓝等

## 溯源、用途、不确定度、均匀性、稳定性、保质期

见英文证书