

C-Slide

Instruction

CS-050

Cell counting chamber slides

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Unpacking

When you receive the C-Slide for the first time, you will find the following components in your package.

- C-Slide, Cell counting chamber slides
- Instruction manual
- Trypan blue

Safety Precautions

For analyzing hazardous or potential infectious materials:

- Take necessary precautions
- Handle with care
- Dispose in an appropriate way

Long exposure to solvents will cause the slide to warp.

Xylene and toluene based mounting media should be avoided.

Glycerol, gelatin, and other aqueous-based media are recommended.

Safety Symbols

The safety symbols on the C-Slide are intended to inform you of potential danger or a particular caution. Before use, please read and consult the guide for the symbols and their meanings.



Batch code (Lot Number)



Catalog number



Do not reuse



Manufactured by



Consult instructions for use



Temperature limitation

NOTE : The C-Slide is for **single use** only. **Do not reuse.**

C-Slide should be used immediately after unsealing. The warranty on the C-Slide included in the conditions of supply is valid for 24 months from the date of manufacture.

Introduction

C-Slide is a cell counting chamber slide used with automated cell counters such as Countess, Countess II, and so on (Figure 1).

It consists of two separate enclosed chambers each with two ports for sample injection. Cell counting occurs in a central location of the counting chamber (Figure 2). It can be used to count one sample in duplicate or to count two different samples.

C-Slide eliminates need to slide or coverslip washing thereby reducing the exposure to potentially infectious sample and contamination.

Figure 1. Automated cell counter

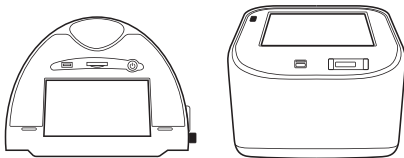
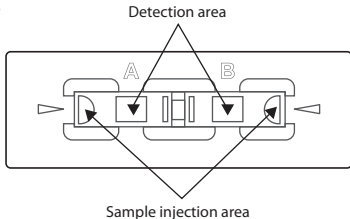


Figure 2. C-Slide



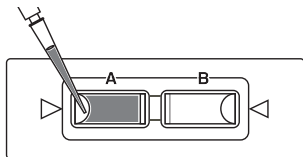
Procedure

Instructions for using C-Slide, cell counting chamber slides, for cell counting with trypan blue stain are described below.

[C-Slide]

1. Load Sample

- Mix together 10 μL of sample and 10 μL of 0.4% trypan blue stain.
- Load 10 μL of the sample mixture into the half moon shaped chamber port (marked A or B) on C-Slide. You may load one chamber or both chambers.



[Automated cell counter]

*** For more instructions, please refer to the manual of each instrument.**

2. Insert Slide

- Insert slide into the slide port of the instrument, sample side first.

3. Optimize Image

- Adjust focus of the image according to instrument you are using.

4. Count Cells

- Count cells with a function of your automated instrument.
- Check results on the screen.
- To read the second chamber, remove and turn around the slide. Then repeat the procedures with the another slide.

Trouble shooting

In case of poor visibility results,

- Carefully load samples into the slide in order to prevent the introduction of air bubbles.
- Observe after removing the dust from samples before a test.
- Do not rub or touch the detection area of slide.
- Adjust the focus of the automated cell counter.
- Test again with a clean sample.