



MICROSCOOP[®] / MINT

Spatial Proteomics with MICROSCOOP[®]

Instructions for use of Syncal

The reagent for calibration under Microscoop[®].

Catalog Number : SYN-CL0101 (Up to 10 reactions)

July 2025

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FOR RESEARCH USE ONLY.

LB03.D.0006

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1. INTENDED USE

The Syncal have been developed for use with the Autoscoop™ Calibration program. The Autoscoop™ Calibration program is employed for fine adjustment of laser positioning. It identifies the XY position references and defines the optical scanning range of the Microscoop® platform. The Syncal is for research use only (RUO).

2. INTRODUCTION

The Autoscoop™ Calibration program identifies the laser point coordinates within the field of view. When used with the Syncal, the laser spot becomes visible in the program's image panel. The program then uses this information to run the "Calibration" function and generate a "Calibration File." This file establishes XY position references and defines the optical scanning range of the Microscoop® platform, enabling precise photolabeling within the specified region of interest.

3. WARNINGS AND PRECAUTIONS

- For research use only.
- Do not use the reagent beyond the expiration date.
- If the reagent solution contacts the skin or eye, flush with copious amounts of water.
- Dispose of containers and unused contents in accordance with Federal, State and Local regulatory requirements.
- Wear suitable protective clothing and gloves when handling the contents of this kit.
- Wash hands thoroughly after handling.

4. MATERIALS REQUIRED BUT NOT PROVIDED

Item	Description
Well slide	Thickness no. 1.5 high-performance cover glass (0.170 ± 0.005 mm), e.g., P/N C1-1.5 H-N, Cellvis

5. STORAGE

The Syncal should be stored at 15~25°C upon receipt. Under these conditions, the kit components will remain stable until the expiration date indicated on the bottle.

6. CALIBRATION PROCESS WITH SYNCAL

Step 1: Turn on the Autoscoop™ Calibration program.

Step 2: Open the bottle cap of Syncal.

Step 3: Open the lid of well slide. Hold the dropper downward over the well. And then

drip out Syncal to the well slide. The volume of dripping reagent should be about 1/2 of the well slide's capacity. For example, when use Cellvis 1 well chamber slide, drip out about 4 mL Syncal to the well slide.

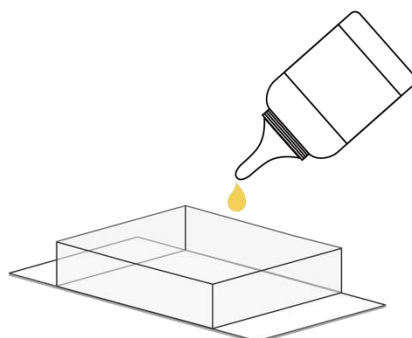


Fig. 6.1 Drip out Syncal to the well slide.

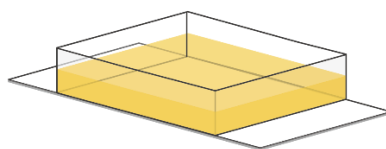


Fig. 6.2 The reagent volume is about 1/2 of the well slide.

Step 4: Close the lid of the well slide. Seal chamber and lid with parafilm. The calibration slide is now ready.

Step 5: Close the cap of Syncal bottle.

Step 6: Place the calibration slide on the stage holder and ensure that it is laid flat and not tilted.

Step 7: Place the calibration slide on stage holder and clamp with stage clip.

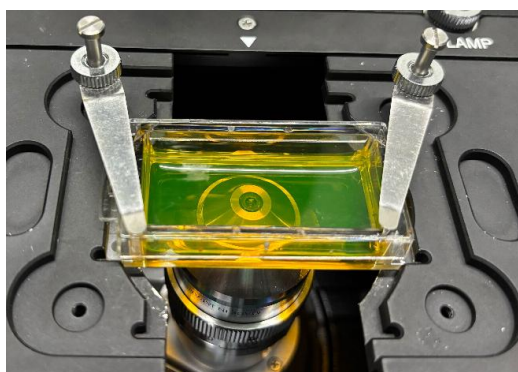


Fig. 6.3 The calibration slide on the stage.

Step 8: Cover the calibration slide with a black stage cover to keep slide in the dark.

Step 9: Start to run the calibration process.

Note 1: The calibration slide can be stored for 7 days at RT. After 7 days, the Syncal is no longer useable and must be discarded and replaced with fresh reagent.

7. PURCHASER NOTIFICATION

7.1 Contact information

Manufacturer: SYNCCELL (TAIWAN) Inc.

Email: Info@syncell.com

Tel: +886-2-2785-6780

Address: 14F-1, No. 508, Sec. 7, Zhongxiao E. Rd., Nangang Dist., Taipei City 115, Taiwan

European Authorized Representative: Luana Med B.V.

Address: Abtswoudseweg 18, 2627AL, Delft, NL.

7.2 Customer support

For the latest services and support information for all locations, go to <https://www.syncell.com/>.

On the website, you can
search through frequently asked questions (FAQs)
submit a question directly to Technical Support

Safety data sheets (SDSs) are available at the QR code below:




For research use only; not for use in diagnostic procedures


7.3 Symbols

 Catalog number

 Batch code


 Use by date

 CE marking

 Temperature limit

 Consult instructions for use

 Manufacturer

 Authorized representative in the European Community/ European Union