

3M™ Petrifilm™ Plate Manager 3.0.1 Upgrade/Installation Instructions

This document is a supplement to the 3M™ Petrifilm™ Plate Reader Advanced and 3M™ Petrifilm™ Plate Manager User Manual. This supplement contains instructions for upgrading or installing the 3M Petrifilm Plate Manger software to version 3.0.1.

Minimum Computer/Server Requirements

- Body Microsoft .NET Framework 4.5 or above (Installer)
- Device Drivers – For connectivity with the 3M Petrifilm Plate Reader Advanced (LibUsb installer)
- Visual C++ Redistributable (64-bit) - vc_redist_x64.exe (version 10.0.30319.1) (Installer)
- Intel-Core-i3 @ 1.80GHz Processor, Windows 8, Windows 8.1, or Windows 10, 32/64 bit Intel based processors with minimum 4 GB of available RAM

How to Access Software Download

Use the link below to access the software download page

https://www.3m.com/3M/en_US/food-safety-us/support/package-inserts/software-download/

▼ 3M Petrifilm Plate Reader Advanced system documents

[3M™ Petrifilm™ Plate Manager Software Version 3.0.1 \(EXE, XX MB\)](#)

[User Manual Supplement for Software v3.0.1 pdf \(PDF, 3.55 MB\)](#)

Features include:

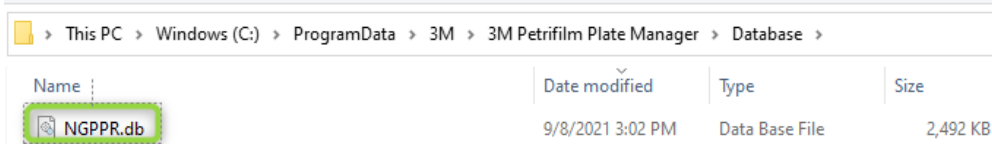
- New 3M™ Petrifilm™ Lactic Acid Bacteria Count Plate enumeration algorithm
- Updated 3M™ Petrifilm™ Coliform Count Plate, 3M™ Petrifilm™ *Enterobacteriaceae* Count Plate and the 3M™ Petrifilm™ *E.coli*/Coliform Count Plate enumeration algorithms.
- Database and plate image back up feature added
- Data archival process added
- New options for custom dilutions
- Many more additional new features and updates

Upgrade Instructions

The upgrade process is programmed to back up the database prior to performing the upgrade but it is still strongly recommended to conduct a manual backup of the database prior to performing an upgrade.

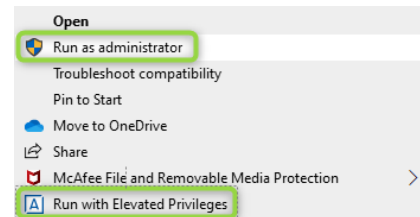
Manual Backup of the database

1. Open a file explorer window and navigate to the following path: C:\ProgramData\3M\3M Petrifilm Plate Manager\Database
2. Copy the “NGPPR.db” file and paste it to another folder on your desktop or network. If anything should happen during the upgrade process this file can be used to restore your data.

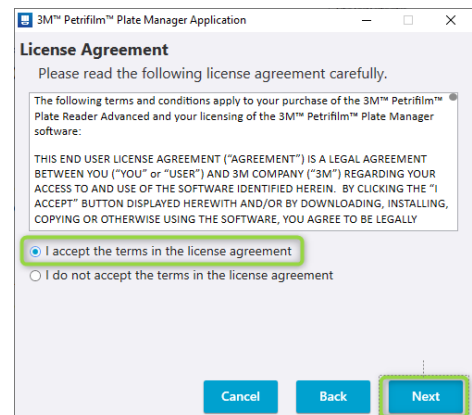
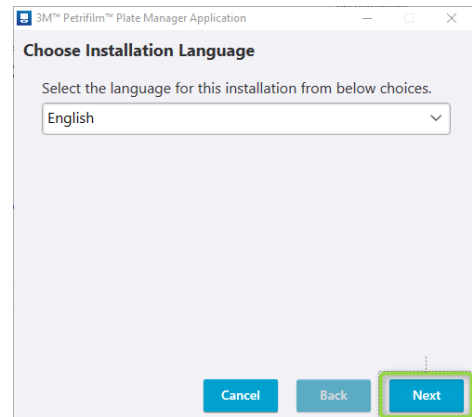


Upgrading from any previous version of the 3M™ Petrifilm™ Plate Manger software

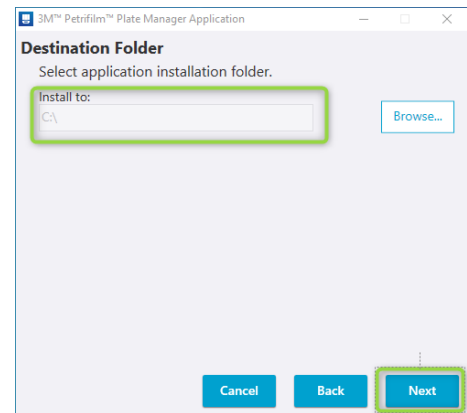
1. Locate the MMM_FSD_NGPPR_Setup Ver 3.0.1.exe file that was downloaded. Right click on the file and select “Run as administrator” or “Run with Elevated Privileges”.
2. The Choose Installation Language window will appear. Select the preferred install language from the drop down menu and select “Next”.



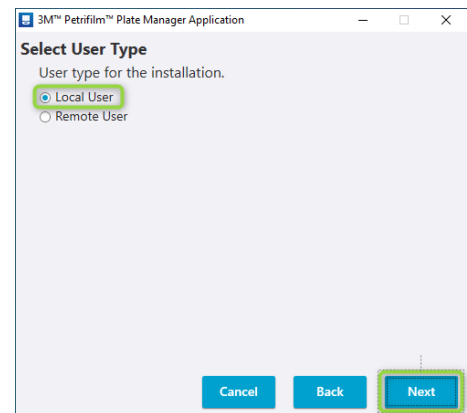
3. Read the licensee agreement and select “I accept the terms in the license agreement” if you want to proceed with the installation. Then select “Next”.



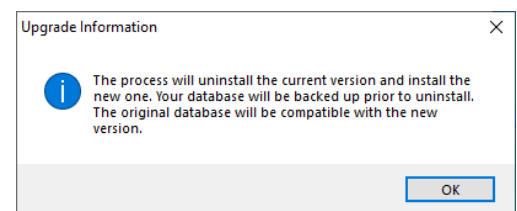
4. Select the path at which you would like to install the software. It is strongly recommended to install at the default location for the best performance. To install at the default location select “Next”.



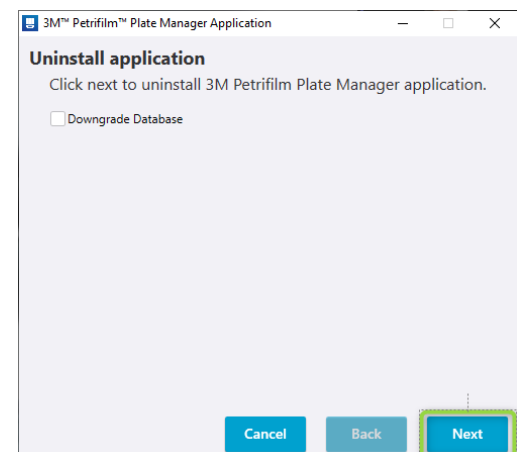
5. Select “Local User” if it is your intention to use the software with the 3M™ Petrifilm™ Plate Reader Advanced device. Select “Next” to proceed. For remote installations please refer to the [3M™ Petrifilm™ Plate Manager User Manual](#) for instructions.



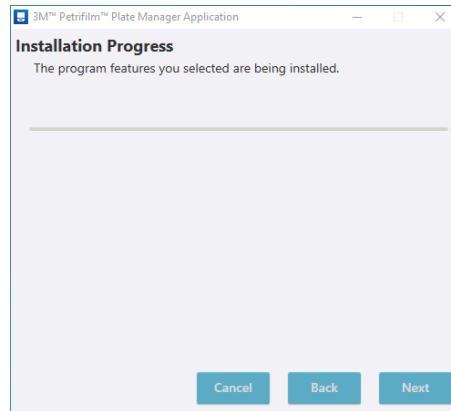
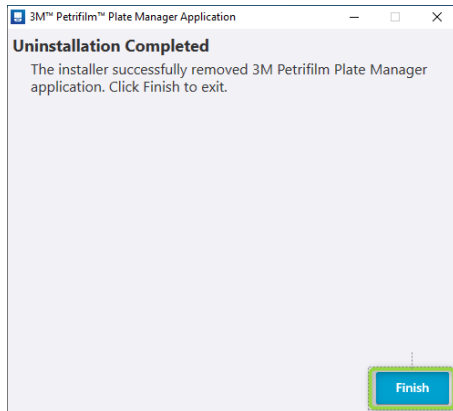
6. The process will proceed to uninstall the current version and install the new version. Prior to this occurring, the software will backup your current database. Your current database will be compatible with the new version installed.



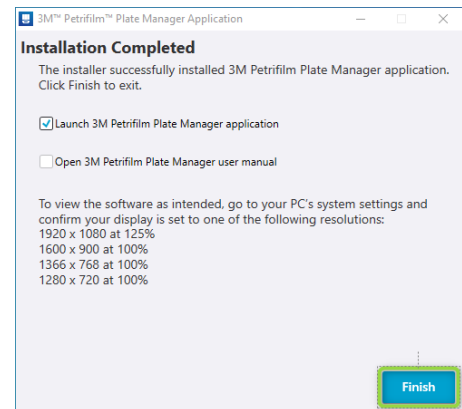
7. By default, downgrade database is unselected. Select the “Next” button to proceed with the uninstallation.



8. Select “Finish” and it will proceed to the next screen that will install the new version 3.0.1.



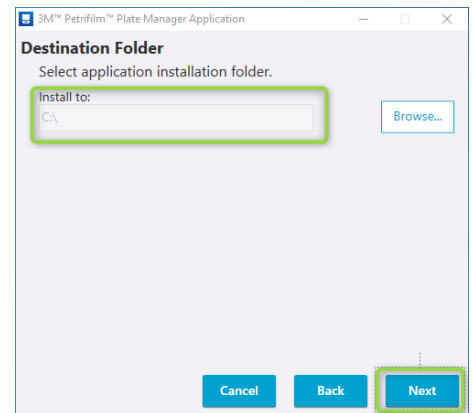
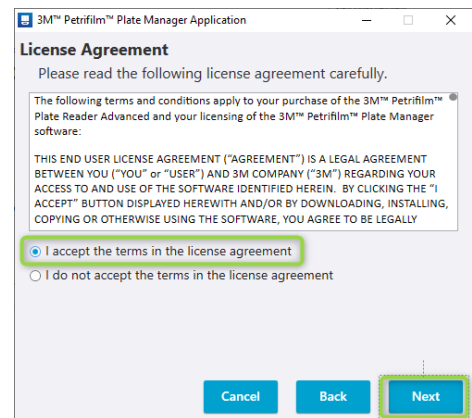
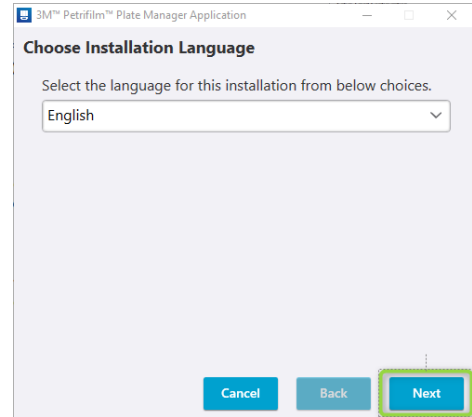
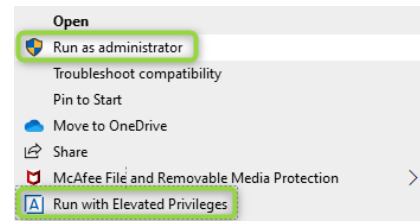
9. The installation is now complete and by default the checkbox “Launch 3M™ Petrifilm™ Plate Manager application” will be selected. Upon clicking “Finish” the application will launch.



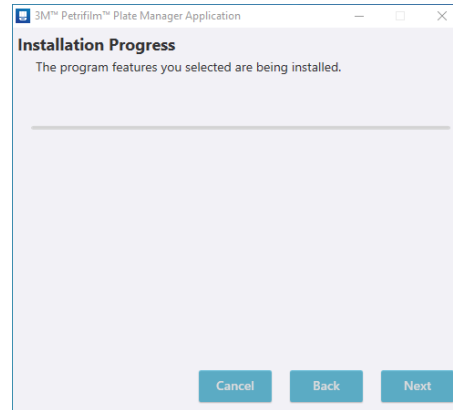
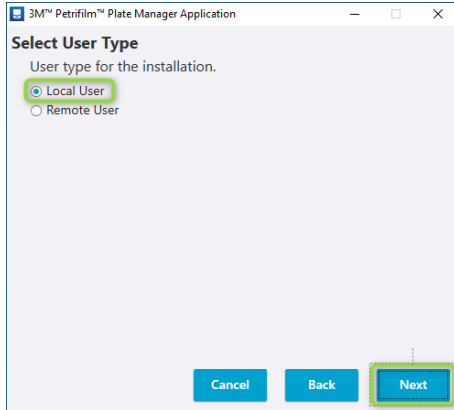
10. Once the 3M™ Petrifilm™ Plate Reader Advanced is connected to the PC, the device will restart, up to two times, in order to load the new firmware.

First Time Installation Instructions

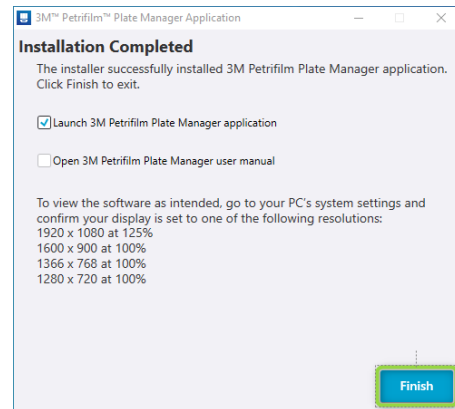
1. Locate the MMM_FSD_NGPPR_Setup Ver 3.0.1.exe file that was downloaded. Right click on the file and select “Run as administrator” or “Run with Elevated Privileges”.
2. The Choose Installation Language window will appear. Select the preferred install language from the drop down menu and select “Next”.
3. Read the licensee agreement and select “I accept the terms in the license agreement” if you want to proceed with the installation. Then select “Next”.
4. Select the path at which you would like to install the software. It is strongly recommended to install at the default location for best performance. To install at the default location, select “Next”.



5. Select “Local User” if it is your intention to use the software with the 3M™ Petrifilm™ Plate Reader Advanced device. For remote installations please refer to the [3M™ Petrifilm™ Plate Manger User Manual](#) for instructions. Select “Next” to proceed. An installation loading bar will appear; the time of the install will vary depending on the PC.



6. The installation is now complete and by default the checkbox “Launch 3M Petrifilm Plate Manager application” will be selected. Upon clicking “Finish” the application will launch.



7. Once the 3M Petrifilm Plate Reader Advanced is connected to the PC, the device may restart, up to two times, in order to load the correct firmware.

3M™ Petrifilm™ Plate Manager 3.0.1 Software Updates

Filtering by date range

Users now have the ability to search for a single date instead of only a date range.

Sample ID	Date & Time	Plate Type	Dilution	Raw Total Count	Edited Total Count	Enumerated by	Plate Image	Temp
Example 17	11/05/2020 03:43:40 PM	RYM	1:10	149 (Total YM) ~145 (Yeast) ~4 (Mold)	149 (Total YM) ~145 (Yeast) ~4 (Mold)	User		28C

Reason for change

Reason for change is now listed as one of the column options in the results screen. The *Reason for change* will be shown as a message bubble in the results screen and the *Reason for change* can be seen by hovering over the text bubble. If the results are exported, the *Reason for change* will be exported as text.

Sample ID	Date & Time	Plate Type	Dilution	Raw Total Count	Edited Total Count	Reason for change	Enumerated by
7/13/2020- 2345	11/04/2020 08:13:11 AM	EC/CC	1:1000	9 (EC) 9 (CC)	9 (EC) 12 (CC)		User
7/13/2020- 2345	11/04/2020 08:13:05 AM	EC/CC	1:1000	4 (EC) 4 (CC)	4 (EC) 4 (CC)	User identified more colonies	

Auto scroll and search on worklists

The auto scroll feature allows the worklist to keep the next plate at the top of the list. Additionally, a search bar has been added to worklists that allows users to search for different plates in their worklist.

Sample ID	Product Specifications	Plate Type	Dilution	Quantity	Dilution Scheme
MC301 - 36H-A	None Selected	EC/CC	1:10		None Selected
MC301 - 36H-A	None Selected	EC/CC	1:100		None Selected

Database backup

Users now have the ability to schedule automatic backups of the database to a location of their choosing. Users have the option to schedule the backs ups daily, every week or every month. Users can choose how many backups they want to retain (up to 10 backups). Once the number of backups exceeds the selection, the software will automatically delete the oldest backup form the file location.

Backup

Database backup enabled

Schedule

Every week ON Monday AT 00:00 AM

Keep the last backups

Plate image backup

Users now have the ability to schedule automatic backups of the plate images to a location of their choosing. Users have the option to schedule the backs ups daily, every week or every month. Users can choose how long they want to retain the plate images (up to 60 months) and set the system to auto delete images older than their selection.

Plate Image backup enabled

Schedule

Every week ON Monday AT 00:00 AM

Auto delete images older than month(s)

Archiving historical data

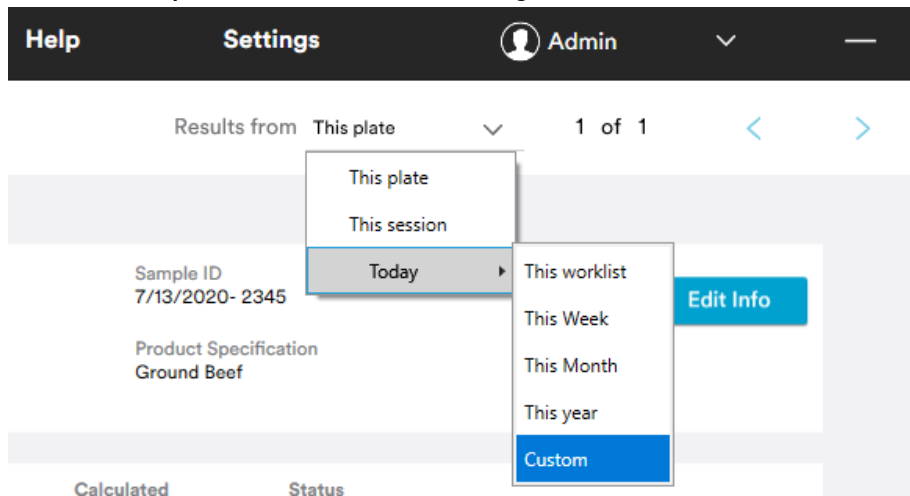
Users now have the ability to select a date so that all results older than the selected date will be removed from the existing database and placed into a new, separate data file. Users will be able to enter in to a “view archive data” mode where arcived data can be retrieved by selecting the corresponding file. Archived database files will be labeled with the date range of the data contained within the database.

Archive database

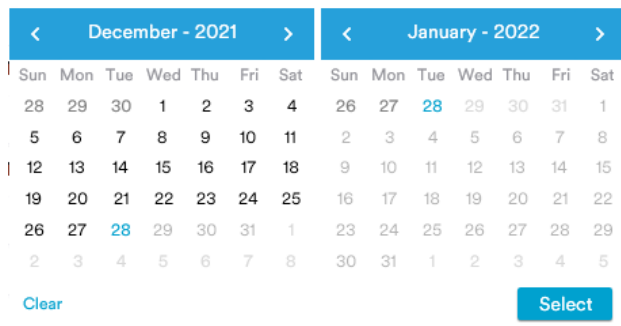
It is recommended to archive once you have obtained 100,000 results in order to optimize software performance. Once archived, data can be retrieved in a view-only mode.

Plate image review options

Users now have more options to review historical images including: This worklist, This week, This month, This year or a Custom date range.

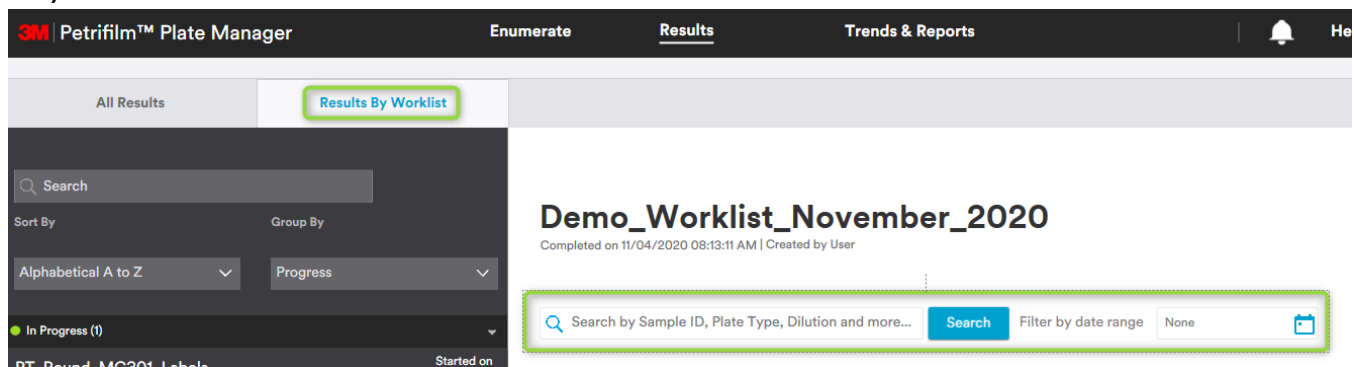


Once a time selection is made the software will display the total number of results that were captured in the specified time/date; this gives users the ability to toggle between images using the arrow keys in the top right of the screen.



Search and filtering in results by worklist

Search and filtering options have been added to the “Results By Worklist” tab. Previously this was only available on the “All Results” tab.



Importing worklists

Users now have the ability to upload up to 20 worklist files at a given time in a batch process. When more than one worklist is being imported at the same time, the worklists will be imported with the worklist file name by default. Once the worklists has been imported, the worklist name can be edited.

Import Worklist

WorklistFileName	Status	
PT_Round_MC301_Labels - Copy (2).xlsx	Completed	
PT_Round_MC301_Labels - Copy (3).xlsx	Completed	
PT_Round_MC301_Labels - Copy (4).xlsx	Completed	
PT_Round_MC301_Labels - Copy.xlsx	Completed	
PT_Round_MC301_Labels.xlsx	Completed	

Custom dilution options



Additional dilution options have been added so users can add dilutions that are smaller than a 1:1 (e.g. 5:1, 10:1, 20:1).

Plate Type	Dilution	Raw Total Count	Edited Total Count	Calculated Result
RAC	5:1	259	259	52
RAC	10:1	257	257	26
RAC	10:1	24	24	2
RAC	5:1	25	25	5
EC/CC	5:1	7 (EC) 7 (CC)	7 (EC) 7 (CC)	1 (EC) 1 (CC)
EC/CC	10:1	7 (EC) 7 (CC)	7 (EC) 7 (CC)	<1 (EC) <1 (CC)

3M™ Petrifilm™ Lactic Acid Bacteria Plate

Homofermentative (red no gas) colonies will be displayed as a red square.

Heterofermentative (red with gas) colonies will be displayed as a red circle.

		Raw	Edited	Calculated
▼ Total LAB		54	54	540
Homofermentative		53	53	<input type="checkbox"/>
Heterofermentative		1	1	<input type="checkbox"/>

Users will have the option to include homofermentative or heterofermentative or both colony types in the calculated count. If the homofermentative or heterofermentative check box is de-selected, the colony type will be listed as “other colonies.”

Plate Interpretation

Choose the colonies to be included in the calculated result for each plate type.

CC	<input checked="" type="checkbox"/>	Colonies to be included in calculated result:
EC/CC	<input checked="" type="checkbox"/>	
LAB	<input checked="" type="checkbox"/>	
REC	<input checked="" type="checkbox"/>	
RYM	<input checked="" type="checkbox"/>	

- Red Without Gas - Homofermentative lactic acid bacteria
- Red With Gas - Heterofermentative lactic acid bacteria

The counting range for 3M Petrifilm Lactic Acid Bacteria Count Plate is lower than or equal to 150 red colonies with gas and/or lower than or equal to 300 red colonies without gas.

▼ Countable Ranges

Select the countable range of the plate types based on your test methods.

AC	<input type="radio"/>
CC	<input type="radio"/>
EB	<input type="radio"/>
EC/CC	<input type="radio"/>
LAB	<input checked="" type="radio"/> 0-150 Red colonies with gas and 0-300 Red colonies without gas



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