

MERCK

# THE REVOLUTION IN MEDIA PREPARATION

The **ReadyStream<sup>®</sup>** system –  
enter the new era  
of media preparation

The life science business  
of Merck operates as  
MilliporeSigma in the  
U.S. and Canada.

**Millipore<sup>®</sup>**

Preparation, Separation,  
Filtration & Monitoring Products

## Media preparation

# YESTERDAY

Classical culture media and sample preparation - a time consuming, multistep process

9  
STEPS



1 Cleaning of bottles



2 DCM powder weighing



3 Addition of a known amount of water



4 Dissolution



5 Dispensing into bottles/containers



6 Labeling



7 Autoclaving/cooling



8 Food sample weighing



9 Addition of media

## Media preparation

# TODAY

Media preparation with **ReadyStream®** system is as simple as pressing a button

3  
STEPS



1 Set up consumables and prepare the media bag stock (only once for up to 440 samples of 25 g)



2 Weigh each food sample



3 Let the ReadyStream® system dispense preheated ISO 11133 compliant media directly into the sampling bag

Only 20 min to get 100 L of preheated, sterile & ISO compliant culture media from this bag!

REALLY?





Optimize your processes to save time and resources

On-demand media preparation. No need for a media kitchen. No dehydrated media manipulation. No time lost on autoclaving. No bottle washing.

# The ReadyStream® system

Media preparation as simple as pressing a button

The revolutionary new ReadyStream® system makes culture media preparation and dispensing easier than ever before. The irradiated media bags contain dry culture media for either 30 or 100 liters. Water compliant to ISO 11133 is added to dissolve the media and create a 10x concentrated media that can be used for up to 5 days. The concentrated media bags are much easier to handle, store and rehydrated and weight only about a tenth of the weight of a fully reconstituted media bag.

Press the Media button to dilute concentrated culture media and to deliver pre-heated, ready-to-use media on demand in the volume needed. No need for autoclaving, powder handling, washing, dealing with bottles, or storing many heavy culture media bags in precious lab space.



Designed to your needs

Flexible system allows for different volumes (2 bag sizes) at different temperatures. Define and save your own programs on the instrument or generate 2D bar codes with our free software.

## CONVENIENT INTEGRATION INTO YOUR EXISTING LAB SETUP

- Connect the ReadyStream® system to any dilutor through an intermediate bottle serving as media reservoir
- Facilitate addition of supplements
- Multiple setups possible for greater flexibility

### In-Line Connection

- Convenient connection to 1 or 2 dilutors at the same time
- No change of connections required

### Flex Connect

- Enhanced flexibility thanks to quick connection/disconnection
- Prepare the media and dispense it independently from the instrument location
- Pre-filling of several bottles and temporary storage or delivery at different Dilutor positions possible

ONLY **20 Min**

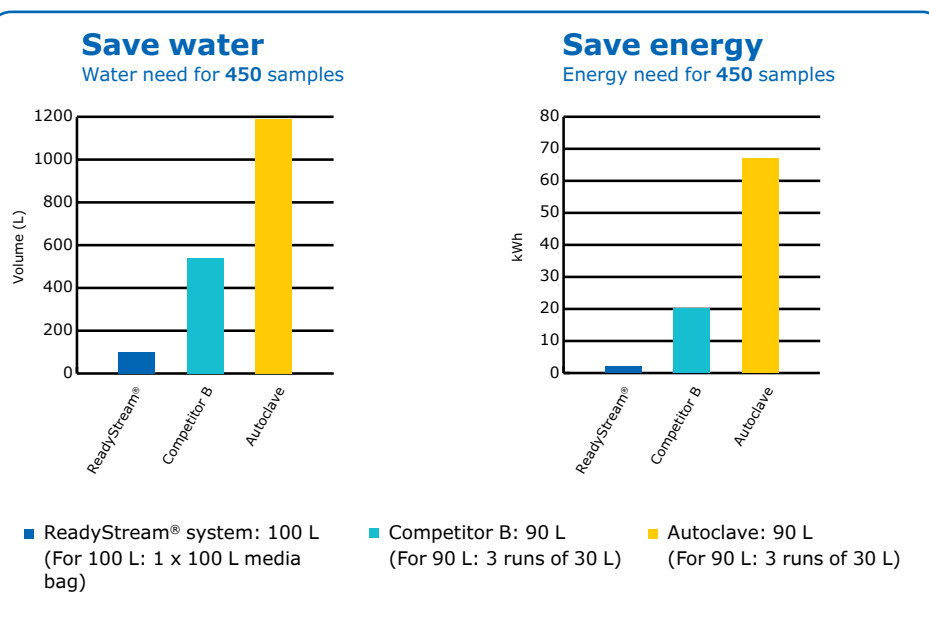
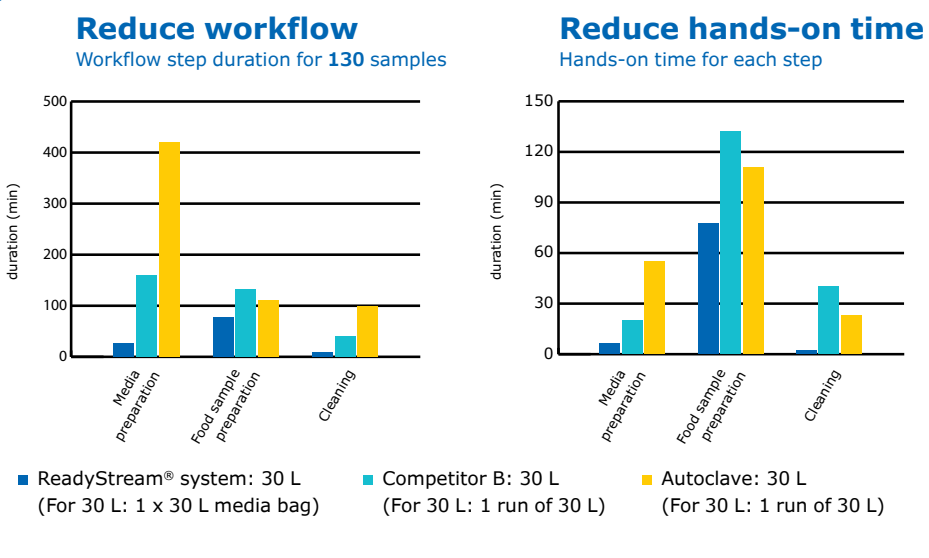
ISO 11133 compliant, pre-heated media available and ready to be used

Obtain uncontaminated media by adding sterile filtered water to gamma-irradiated media powder.

**Risk Reduction**

ReadyStream® media preparation workflow reduces contamination risks and ensures availability of sterile media every day

Bag with GranuCult® ISO 11133 compliant dehydrated culture media. Media obtained by adding sterile filtered water to the irradiated powdered media. No need to use the autoclave.

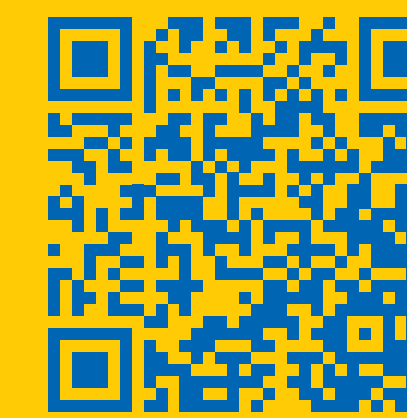




501 mm



ReadyStream® media preparation unit



Request a demo or learn more on:  
[SigmaAldrich.com/ReadyStream-Demo](https://SigmaAldrich.com/ReadyStream-Demo)



ReadyStream® media dispensing unit



1 unit 5.74846.0100 Millipore

Microbiology  
ReadyStream™ "GrandCult"  
Buffered Peptone Water  
Lot Number: 100000  
Serial #: 100000  
Expiry Date: 2022 May 28

Scan on ReadyStream™

From the left to right: Power (On/Off), Light (On/Off), and Light (On/Off).  
For in vitro use only. Canada only: Sigma-Aldrich Canada Co.,  
Mississauga, Ontario, L4V 1V1, Canada. Phone: 1-800-367-5830.  
Toll-free and 24-hour emergency support: 1-800-367-5830 (ext. 5555).  
www.sigmaaldrich.com  
Preparation: Reconstitute by adding 100 ml of distilled water to the  
powder. Mix for 10 minutes.  
Reconstituted solution will appear white or light yellow. It is  
stable for 24 hours.  
Application: Microbiology: bacterial and fungal culture.  
Media description: This is a ready-to-use medium for the preparation of  
microbiology media.  
Packaging: ReadyStream™ "GrandCult" is a ready-to-use medium for the  
preparation of microbiology media.  
Storage: Store at room temperature (15-30°C).  
Shelf life: 24 months from the date of manufacture.  
Safety: For in vitro use only. Do not use for parenteral purposes.  
Caution: For in vitro use only. Do not use for parenteral purposes.  
For more information, please contact your local Sigma-Aldrich representative.  
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353 mm

# START YOUR REVOLUTION ON 0.26 M<sup>2</sup>

The ReadyStream® system – Media preparation with a small footprint



# Millipore®

Preparation, Separation,  
Filtration & Monitoring Products

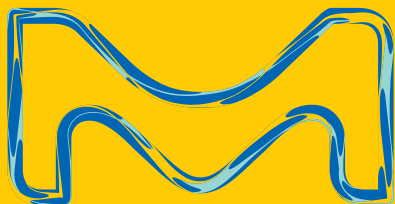
## With the ReadyStream® system, you can

- in about 20 minutes prepare up to 100 L of media in less than 20 minutes
- dispense pre-heated media of the temperature and volume you need
- easily store and carry the bags containing dehydrated media (less than 3 kg for the biggest bag)
- still carry a bag of rehydrated, concentrated media that allows you to dispense 100 L (less than 13 kg)

And there's no need for autoclaving, bottles and washing, saving you time, resources and energy.



Don't wait to try our ReadyStream® system, request a demo  
[SigmaAldrich.com/  
ReadyStream-Demo](https://SigmaAldrich.com/ReadyStream-Demo)



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[SigmaAldrich.com/ReadyStream](https://SigmaAldrich.com/ReadyStream)

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Lit. No. MK\_BR8340EN Ver. 4.0  
09/2023



## Ordering information

Product	Packaging	Ordering No.
30 L ReadyStream® Media Bag GranuCult® Buffered Peptone Water	10x 30 L Media bags with dehydrated media*	5.74846.0030
100 L ReadyStream® Media Bag GranuCult® Buffered Peptone Water	3x 100L Media bags with dehydrated media*	5.74846.0100
ReadyStream® Filter Set	5x Filter sets	5.74826.0001
ReadyStream® System	1x	RDYSTRM01

\*Bags are shipped with dry media which will be reconstituted with the ReadyStream® system. The 10x concentrated media allows dispensing of up to 30 L and 100 L, respectively, of 1x concentrated media with the different bag sizes.