

MERCK



THE REVOLUTION IN MEDIA PREPARATION

The **ReadyStream®** system –
enter the new era
of media preparation

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

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

Media preparation YESTERDAY

Culture media and sample preparation is a time consuming, multistep process

Cleaning of bottles **1**



DCM powder weighing **2**



Dissolution **4**



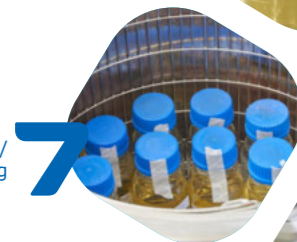
Dispensing into bottles/containers **5**



Labeling **6**



Autoclaving/cooling **7**



Food sample weighing **8**



Addition of media **9**



9
STEPS

Classical preparation in media kitchen

Media preparation TODAY

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

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



Weigh each food sample **2**



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

3
STEPS

Media preparation with **ReadyStream®** system

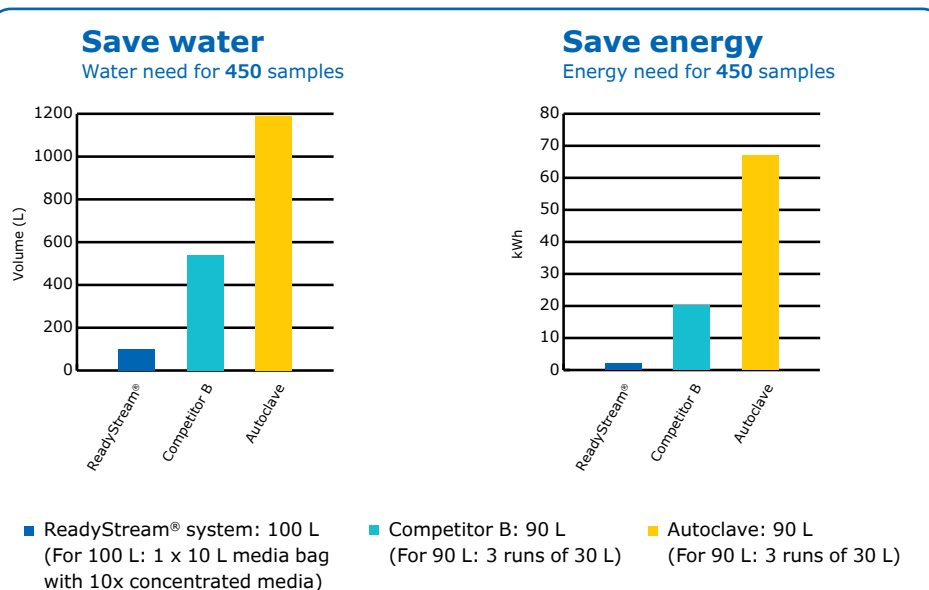
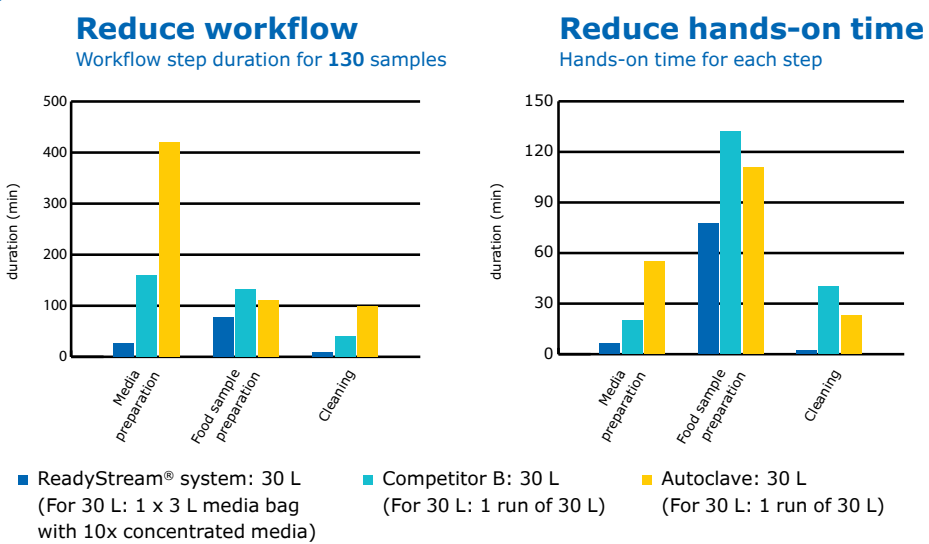
6 STEPS
AHEAD ...

- Prepare up to 100 liters of sterile & preheated media on demand
- Reduce risk of contamination
- No powder manipulation, no autoclaving, no bottle washing

setting standards

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.



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.

Request a demo at SigmaAldrich.com/ReadyStream-Demo

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. Type II water 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.

Bag containing 10x concentrated culture media

- Bags shipped with gamma-irradiated dry media that can be reconstituted by adding sterile water thanks to the filtration unit (a 10 liter dry bag weighs about 2.5 kg but can dispense up to 100 liters once rehydrated)
- 10x concentrated GranuCult® Buffered Peptone Water
- A 3 liter bag of concentrate produces 30 liters of media, enough for 131 samples of 25 g
- A 10 liter bag of concentrate produces 100 liters of media, enough for 440 samples of 25 g or 29 samples of 375 g

ReadyStream® media preparation unit



Filtration unit

irradiated, containing a 0.22 µm filter and ready for use.

Liquid media dispenser



Sample bag

Bag holder

for sample bags, available in two sizes (including for large, pooled samples).

ReadyStream® media dispensing unit

for small and pooled samples. The ReadyStream® system dispenses preheated ISO 11133 compliant media directly into the sampling bag. Comes with 4 programs pre-installed. Different priority settings and concentration levels to choose from.

Barcode reader

for media bag and filter set traceability. No need to set parameters manually. Scanning unique test barcode reduces risk of error.



intelligent design

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.

FLEXIBLE SYSTEM

One system - two possible configurations

STANDARD



3 L bag and standard-sized bag holder

LARGE



10 L bag and large bag holder for pooled samples

Risk Reduction

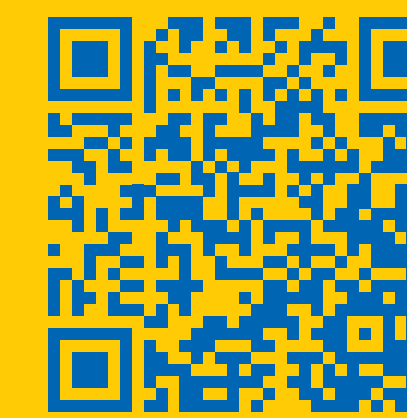
ReadyStream® media preparation workflow reduces contamination risks and ensures availability of sterile media every day

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



ReadyStream® media dispensing unit



START YOUR REVOLUTION ON 0.26 M²

The ReadyStream® system – Media preparation with a small footprint

353 mm

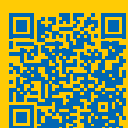
Millipore®

Preparation, Separation,
Filtration & Monitoring Products

With the ReadyStream® system, you can

- 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)



Ordering information

Product	Packaging	Ordering No.
ReadyStream® Media Bag GranuCult® Buffered Peptone Water <i>One bag for 30 L with a 3 L media bag (10x concentrated media)*</i>	10x Bags with dehydrated media*	5.74846.0030
ReadyStream® Media Bag GranuCult® Buffered Peptone Water <i>One bag for 100 L with a 10 L media bag (10x concentrated media)*</i>	3x 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 who will be reconstituted with the ReadyStream® system. The 10x concentrated media allows to dispense up to 30 L of 1x media from the 3 L bag and up to 100 L of 1x media from the 10 L bag.

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SigmaAldrich.com/ReadyStream

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