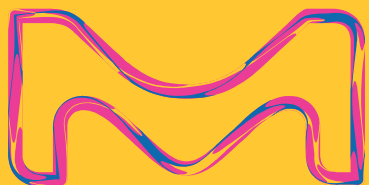
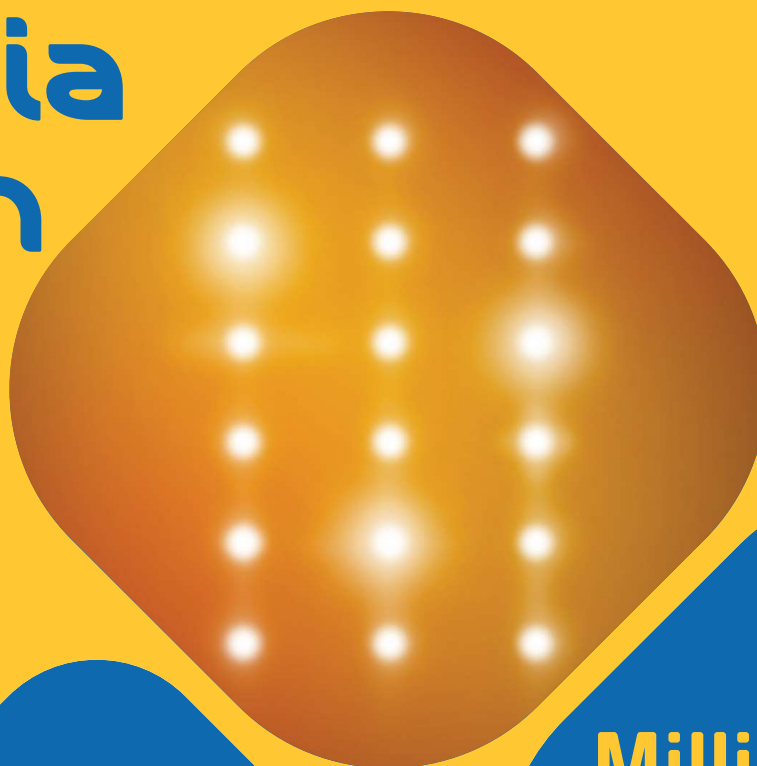


Enter the new era of Media preparation

ReadyStream® System



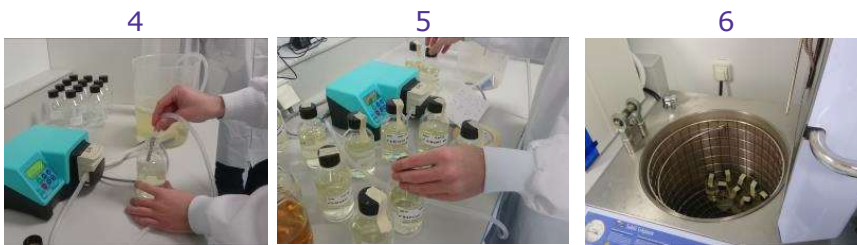
The life science business of Merck KGaA,
Darmstadt, Germany operates as
MilliporeSigma in the U.S. and Canada.

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

ReadyStream® System

Culture media preparation and sample preparation is a time consuming, multistep process in a Food testing lab



Media kitchen

1. DCM Powder weighing
2. Addition of a known amount of water
3. Dissolution
4. Dispensing into bottles/containers
5. Labelling
6. Autoclaving / Cooling

Lab

7. Food sample weighing
8. Addition of media
9. Food / Media mixing

ReadyStream® System

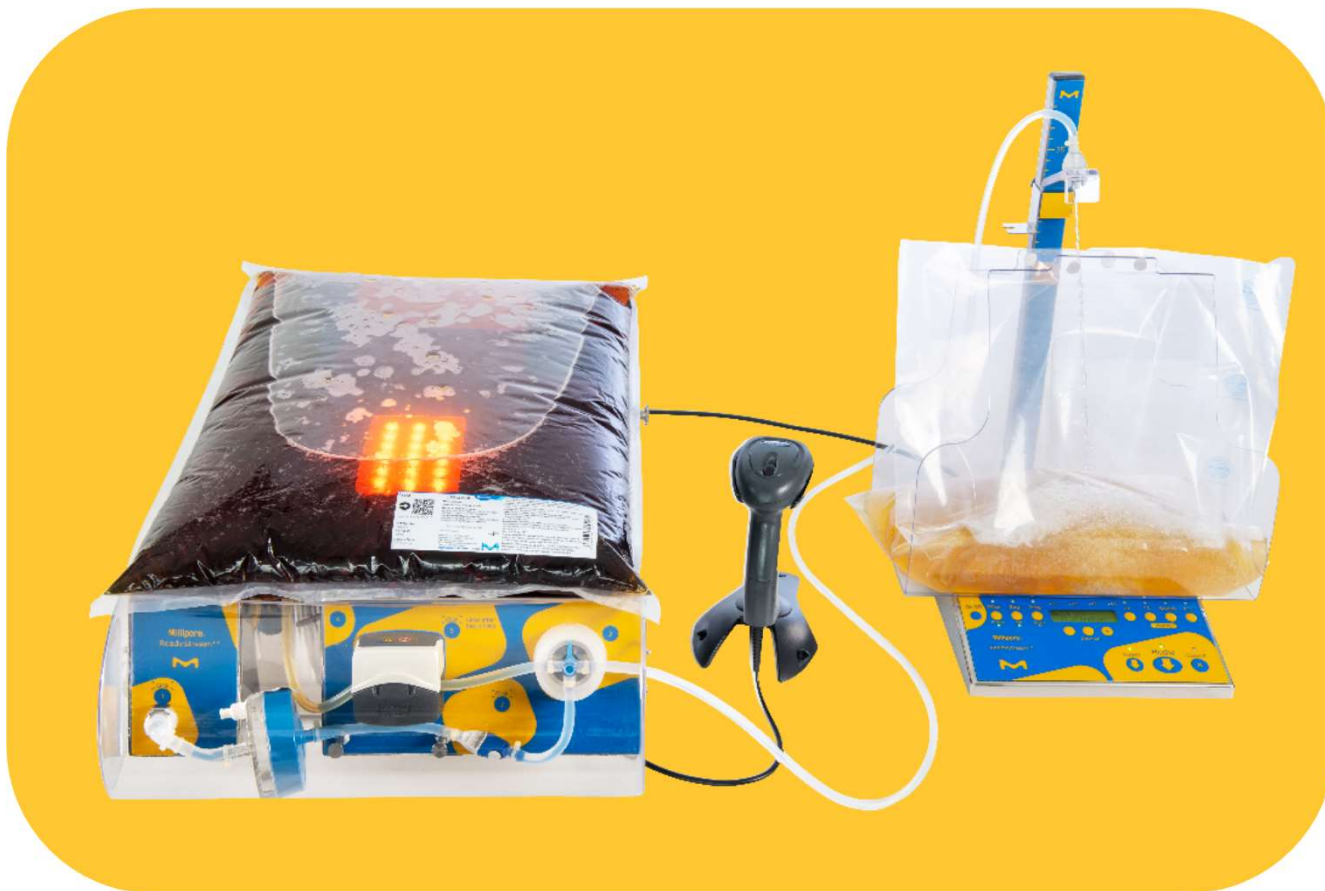
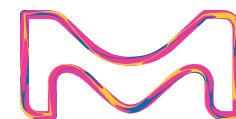
Enrichment broth portfolio



Merck unique offer in F&B. Nobody's has everything (DCM, bags..) and an innovative solution such as Readystream.

ReadyStream® System

Enter the New Era of Media Preparation



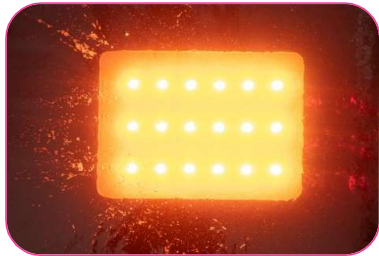
ReadyStream® System

Media Preparation Made as Simple as Pressing a Button



Set up the media bag

(To be done one time for up to **440** samples of **25g**).



Weigh each food sample



- New solution for media preparation and media dispensing in culture media preparation.
- Benchtop system for media preparation & dispensing in the lab.
- No need for media kitchen: no powder manipulation, no autoclaving step, no washing of media bottles.
- Sterile, pre-heated media available in **~15min.**
- **2** modes: priority to **temperature** or priority to **speed.**
- Flexible system allowing for different volumes at different temperatures
- Non-contaminated media obtained by combining **irradiated media powder and sterile filtered water**
- For Salmonella pre-enrichment in 25g, 375g and environmental samples (100 mL, 225 mL, and 3375 mL) of ISO BPW

Add preheated media to each



ReadyStream® System

Instruments and Consumables



Media Preparation Unit

Media Dispensing Unit



0.22um Filtration unit, γ -irradiated (Steripak GP20 filter)



3L/10L media bag. Shipment as dry media bag, γ -irradiated

ReadyStream® System Consumables

Media bag

- **3L** media bag and **10 L** media bag
- Merck GranuCult BPW (quantity for **30L** or for **100L** media = **10x** concentrated stock)
- Tubing set on the bag for connection to the filtration unit and for media dispensing, single use
- γ -irradiated for bioburden reduction (down to absence of contamination)
- **Shelf-life up to 5 days** after reconstitution.
- Datasheet MK/MS_DS8456EN



ReadyStream® System Consumables



Filter set

- Based on Merck **0,22µm Steripak®** GP20 filter
- Secured connection to the instrument and to the bag
- Provided sterile (γ-irradiation)
- For use with up to **20 bags**
- For use with up to **600 liters** of water
- Up to **30 days of life** on instrument

Consumable Quick Guide

ReadyStream® System



Installation of the ReadyStream® filter set

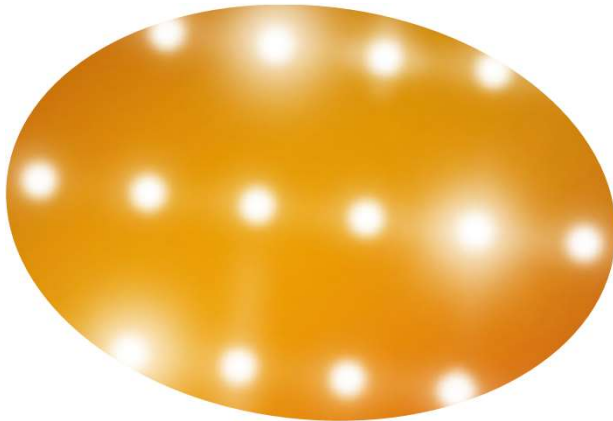
- 1** Remove the blue cap and connect the filter to the outlet of the media preparation unit



- 2** Install the tubing on the two pins



- 3** Using the barcode reader, scan the data matrix code on the label



Installation of the ReadyStream® media bag

- 1** Place a bag on the media unit. Extend the tray for the 10 L bag



- 2** Install the gray dispensing connector on the media dispensing unit



- 3** Remove the orange cap from the filter and store it in a sterile container



- 4** Connect the blue connector of the media bag to the grey connector of the filter set



- 5** Insert the stopcock valve in the actuator



- 6** Position the tubing in the guiding pins



- 7** Position the tubing through the peristaltic pump. Do not close the pump



- 8** Using the barcode reader, scan the data matrix code on the media bag



Quick Guide# MK/MS_PG844EN

Millipore®

MERCK

key features and benefits

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

ReadyStream® System

Features and Benefits



Contained unit for media production

- No autoclave/bottles/washing
- Small footprint (0.26 m²).
- Only 15 minutes prep time for media.



Shipment as dry media bag, γ -irradiated



0.22 μ m Filtration unit, γ -irradiated (Steripak GP20 filter)

Preheated Sterile Media

- No need for aseptic filling conditions.



Large volumes of media on demand.

- Dry media save space and handling.
- 30L from 3L media bag.
- 100L from 10L media bag.
- **5 days of shelf life** after reconstitution.



Data Matrix Generator - ReadyStream® System

Features and Benefits



ReadyStream® Data Matrix Generator

TEST Data matrix (generation)

The ReadyStream® Data Matrix Generator tool is used to create a custom Data Matrix code to configure the ReadyStream® instrument directly. This can be used in place of manually entering parameters on the ReadyStream® dispensing unit.

In order to generate a custom Data Matrix code for your ReadyStream® instrument enter the required parameters in the fields below. The **Volume Calculator** button can be used to determine the media volume from your sample weight and desired dilution factor, and added directly to the Media Volume parameter.

When finished press the **Generate** button to create a unique Matrix code that can be **printed** or **exported**. To Reset the parameter fields press the **Clear** button.

* Test Name

Characters remaining: 2 / 10

* Description

Characters remaining: 15 / 30

* Media Volume (ml)

* Concentration (x)

* Dispensing Flow (l/min)

Add Temperature

* Temperature (°C)

* Priority



- Used to create a data matrix code to configure the ReadyStream media dispensing parameters
- Select media volume
- Select media concentration, default is 1x
- Select media temperature

<https://www.milliporesigmabioinfo.com/readystream/>

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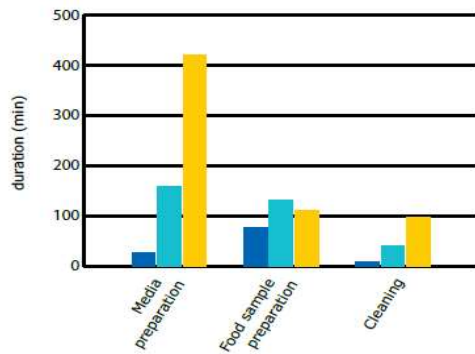
ReadyStream® System

Features and Benefits



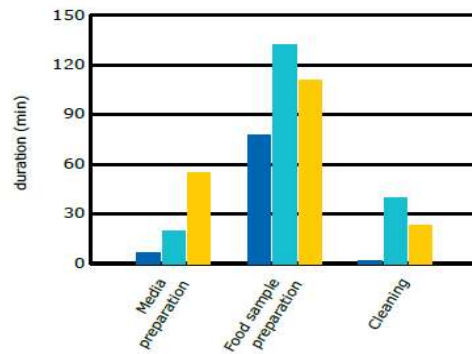
Reduce workflow

Workflow step duration for 130 samples



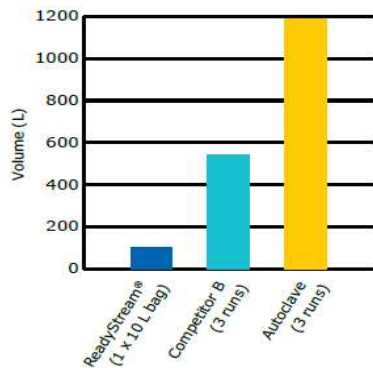
Reduce hands-on time

Hands-on time for each step



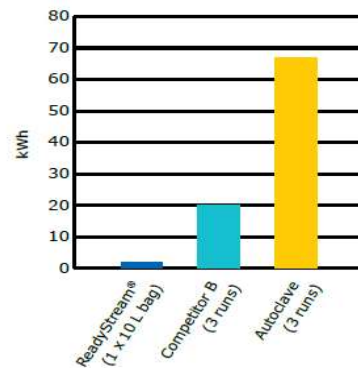
Save water

Water need for 450 samples



Save energy

Energy need for 450 samples



**Save
Time,
Resources,
Space
and Money**

- ReadyStream® (30 L)
- Competitor B (30 L)
- Autoclave (30 L)

Millipore®

ReadyStream® System

Ordering Information

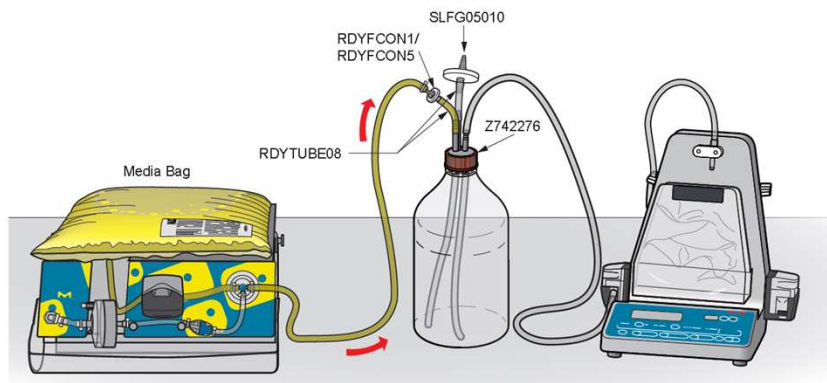


Article Number	Description
RDYSTRM01EU/NA/JP/CN	ReadyStream System
5.74846.0030	Buffered Peptone Water 10 X 1 UNIT (3L) = 30L/bag x 10bags.
5.74846.0100	Buffered Peptone Water 3 X 1 UNIT (10L) = 100L/bag x 3bags.
5.74826.0001	Filter Set Steripak-GP Press 5 SETS

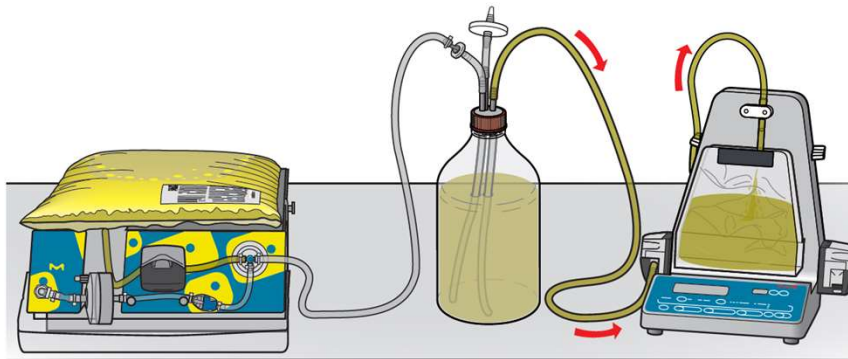


Dilutor connection setup options

1A In-Line Connection – 1 Dilutor



Labware like GL45 Lab Bottle or customized tube set not provided



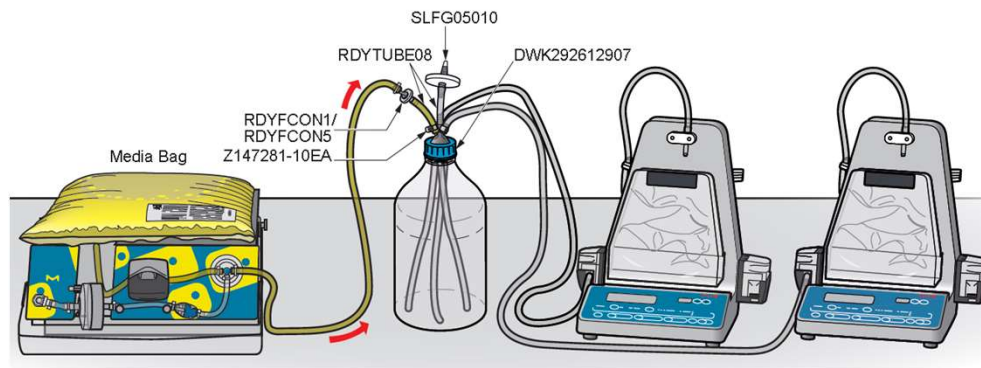
Straight forward and simple operations: No connection and disconnection needed, as ReadyStream® and Dilutor are always connected to bottle concurrently



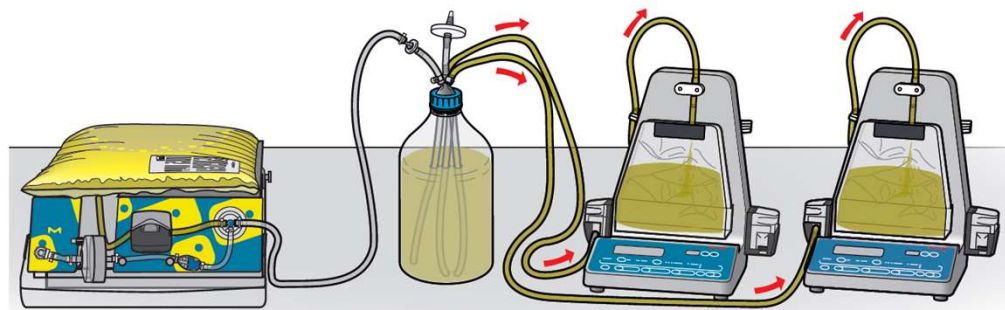
Dilutor must not be used at the same time, the bottle is filled by ReadyStream®, to ensure the media has the right concentration.

Dilutor connection setup options

1B In-Line Connection – 2 Dilutors



Labware like GL45 Lab Bottle or customized tube set not provided



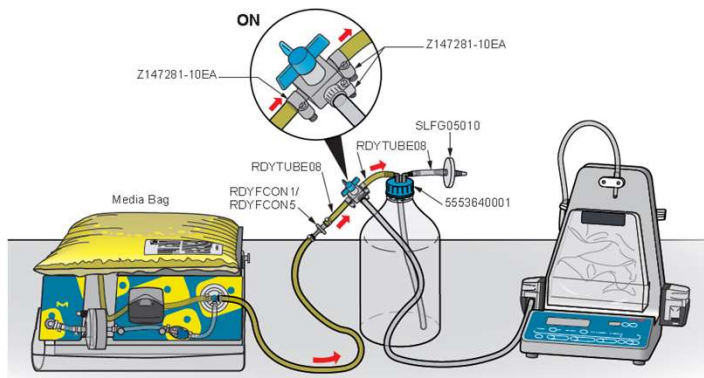
Straight forward and simple operations: No connection and disconnection needed, as ReadyStream® and Dilutor are always connected to bottle concurrently



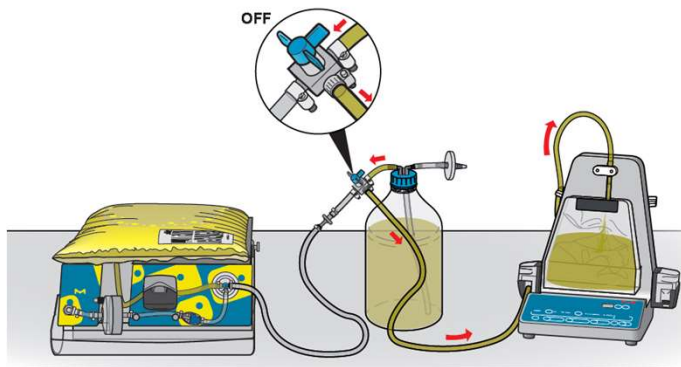
Dilutor must not be used at the same time, the bottle is filled by ReadyStream®, to ensure the media has the right concentration.

Dilutor connection setup options

1C In-Line Connection - 3-Way Stopcock



Labware like GL45 Lab Bottle or customized tube set not provided



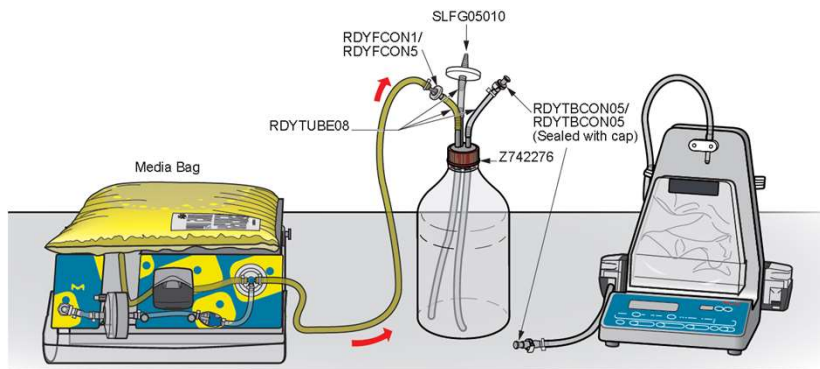
Thanks to 3-way stopcock, no risk to operate ReadyStream® and Dilutor accidentally at the same time



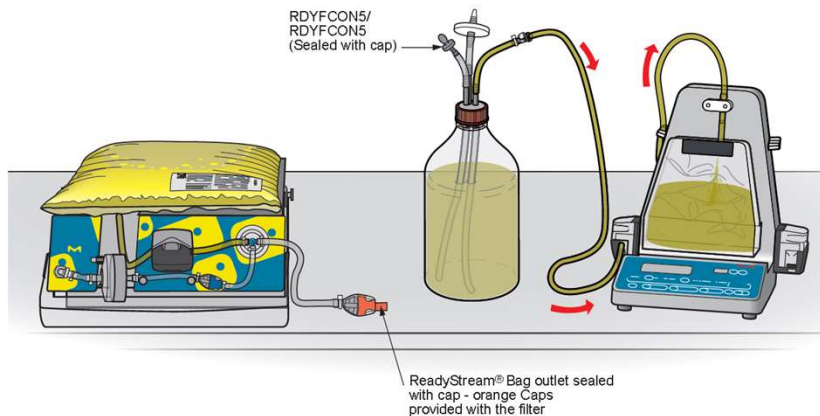
Straight forward and simple operations: No connection and disconnection needed, as ReadyStream® and Dilutor are always connected to bottle concurrently

Dilutor connection setup options

2A Flex Connect - Sequent Filling and Dispensing with 1 Dilutor



Labware like GL45 Lab Bottle or customized tube set not provided



ReadyStream® Bag outlet sealed with cap - orange Caps provided with the filter

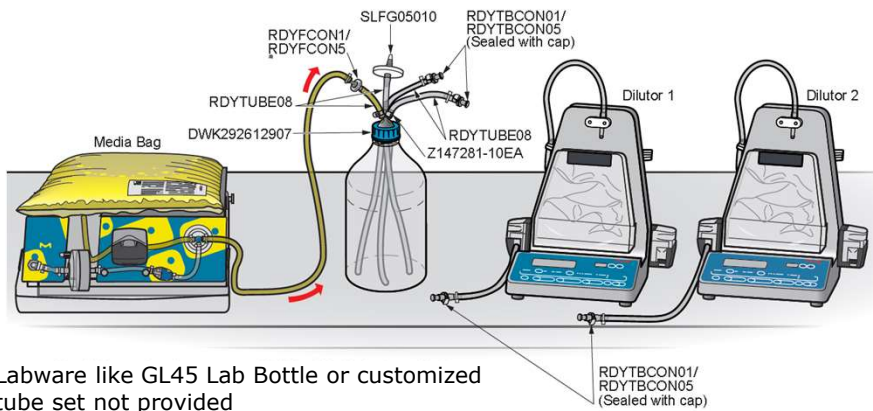
Enhanced flexibility thanks to quick connection/disconnection:

- Media preparation and sample handling/dispensing can be done independently at different locations
- Pre-filling of several bottles and temporary storage or delivery at different Dilutor positions possible

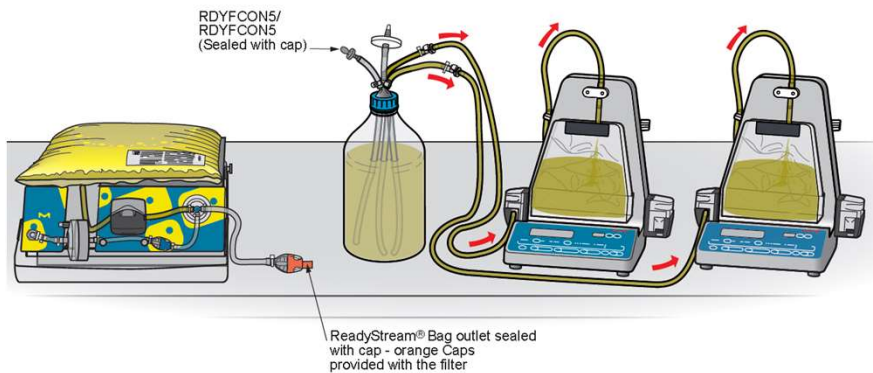
As ReadyStream® and Dilutor not connected concurrently, no risk to operate both systems accidentally at the same time

Dilutor connection setup options

2B Flex Connect - Sequent Filling and Dispensing with 2 Dilutors



Labware like GL45 Lab Bottle or customized tube set not provided



Enhanced flexibility thanks to quick connection/disconnection:

- Media preparation and sample handling/dispensing can be done independently at different locations
- Pre-filling of several bottles and temporary storage or delivery at different Dilutor positions possible

As ReadyStream® and Dilutor not connected concurrently, no risk to operate both systems accidentally at the same time

Enter the new era of Media preparation



