

CERTIFICATE OF ANALYSIS

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂

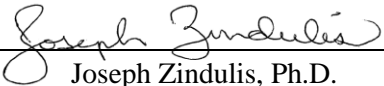
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 26349A EXP. DATE: 12/2018

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 63 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 *TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 January 18, 2017

CERTIFICATE OF ANALYSIS

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂

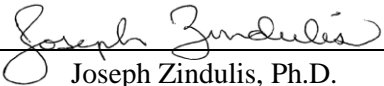
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 26357A EXP. DATE: 12/2018

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 61 Count at 45 minutes: 64 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 *TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 February 2, 2017

CERTIFICATE OF ANALYSIS

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂

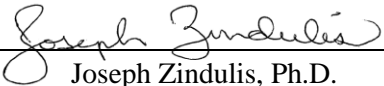
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 26363A EXP. DATE: 12/2018

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 76 Count at 45 minutes: 74 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 *TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 February 7, 2017

CERTIFICATE OF ANALYSIS

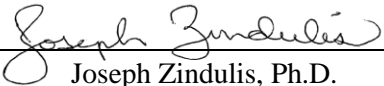
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27004A EXP. DATE: 1/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.
 Production Manager

 February 16, 2017

CERTIFICATE OF ANALYSIS

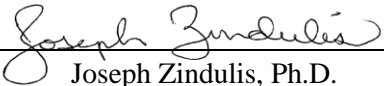
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27011A EXP. DATE: 1/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 73 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 February 28, 2017

CERTIFICATE OF ANALYSIS

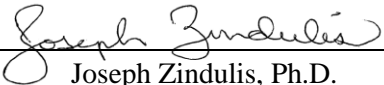
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27018A EXP. DATE: 1/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 52 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.
 Production Manager

 March 15, 2017

CERTIFICATE OF ANALYSIS

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂

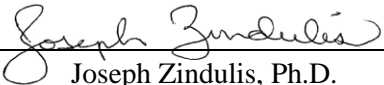
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27025A EXP. DATE: 1/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 64 Count at 45 minutes: 60 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 *TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 March 20, 2017

CERTIFICATE OF ANALYSIS

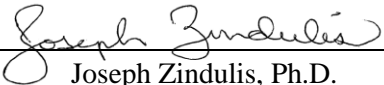
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27033A EXP. DATE: 2/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 March 29, 2017

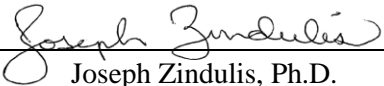
CERTIFICATE OF ANALYSIS
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
CATALOG No. 3127-29 **VOLUME (ml)** 99 **LOT No.** 27039A **EXP. DATE:** 2/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 46 Count at 45 minutes: 37 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Joseph Zindulis, Ph.D.
 Production Manager

 April 4, 2017

CERTIFICATE OF ANALYSIS

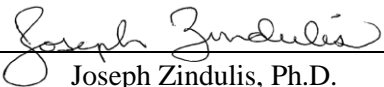
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27046A EXP. DATE: 2/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 78 Count at 45 minutes: 80 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 April 6, 2017

CERTIFICATE OF ANALYSIS

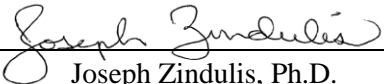
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27053A EXP. DATE: 2/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 53 Count at 45 minutes: 56 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager

April 6, 2017

CERTIFICATE OF ANALYSIS

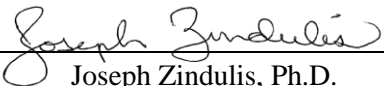
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27053B EXP. DATE: 2/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 49 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager

April 6, 2017

CERTIFICATE OF ANALYSIS

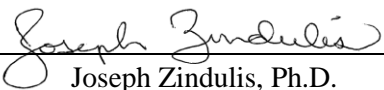
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27060A EXP. DATE: 3/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 61 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager
 April 19, 2017

CERTIFICATE OF ANALYSIS

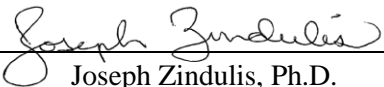
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27060B EXP. DATE: 3/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 50 Count at 45 minutes: 75 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager
 April 19, 2017

CERTIFICATE OF ANALYSIS

 PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂

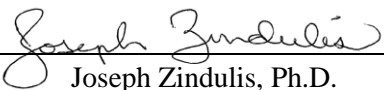
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TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 62 Count at 45 minutes: 54 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

 *TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 April 19, 2017

CERTIFICATE OF ANALYSIS

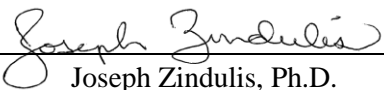
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27095A EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 72 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager
 May 8, 2017

CERTIFICATE OF ANALYSIS

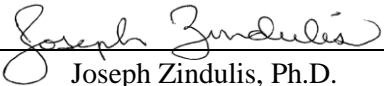
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27102A EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 90 Count at 45 minutes: 80 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 May 17, 2017

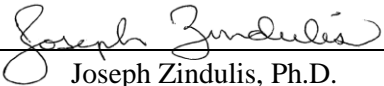
CERTIFICATE OF ANALYSIS
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
CATALOG No. 3127-29 **VOLUME (ml)** 99 **LOT No.** 27102B **EXP. DATE:** 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 81 Count at 45 minutes: 86 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 Production Manager

 May 17, 2017

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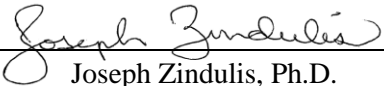
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27109A EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 78 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Joseph Zindulis, Ph.D.
 Production Manager

 May 30, 2017

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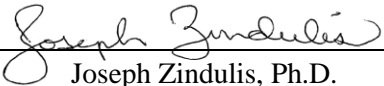
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27109B EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
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 Production Manager
 May 30, 2017

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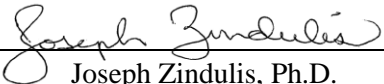
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27116A EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 65 Count at 45 minutes: 62 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
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 Production Manager

June 7, 2017

CERTIFICATE OF ANALYSIS

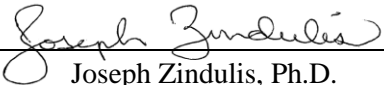
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27116B EXP. DATE: 4/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 53 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
(609) 584-7677


 Joseph Zindulis, Ph.D.
 Production Manager
 June 21, 2017

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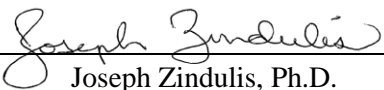
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27123A EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 66 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
Hamilton, NJ 08691
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 Joseph Zindulis, Ph.D.
 Production Manager
 June 12, 2017

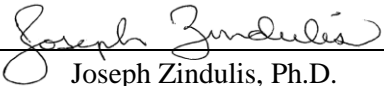
CERTIFICATE OF ANALYSIS
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
CATALOG No. 3127-29 **VOLUME (ml)** 99 **LOT No.** 27130B **EXP. DATE:** 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 69 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
--



 Joseph Zindulis, Ph.D.
 Production Manager

 June 21, 2017

CERTIFICATE OF ANALYSIS

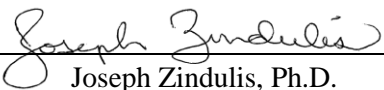
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27137A EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 60 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
2732 Kuser Road
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 June 21, 2017

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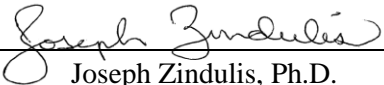
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27137B EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 67 Count at 45 minutes: 70 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By:
Weber Scientific
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 Joseph Zindulis, Ph.D.
 Production Manager
 June 21, 2017

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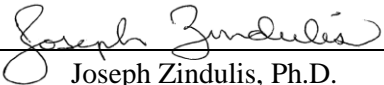
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27144A EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.4	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 74 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677



 Joseph Zindulis, Ph.D.
 Production Manager

 June 30, 2017

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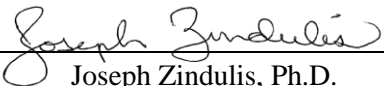
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27151A EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 68 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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 Production Manager

July 5, 2017

CERTIFICATE OF ANALYSIS

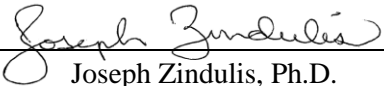
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27151B EXP. DATE: 5/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 72 Count at 45 minutes: 66 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
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 July 5, 2017

CERTIFICATE OF ANALYSIS

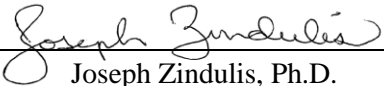
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27158A EXP. DATE: 6/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 59 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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<p>Made By: Weber Scientific 2732 Kuser Road Hamilton, NJ 08691 (609) 584-7677</p>
--



 Joseph Zindulis, Ph.D.
 Production Manager

 July 19, 2017

CERTIFICATE OF ANALYSIS

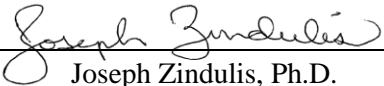
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27187A EXP. DATE: 7/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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--



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 August 16, 2017

CERTIFICATE OF ANALYSIS

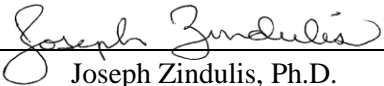
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27213A EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 80 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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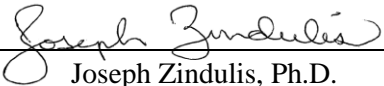
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27213B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 79 Count at 45 minutes: 68 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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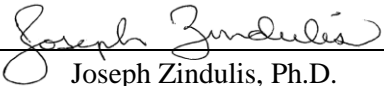
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27222B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 70 Count at 45 minutes: 65 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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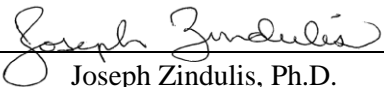
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27223B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 57 Count at 45 minutes: 69 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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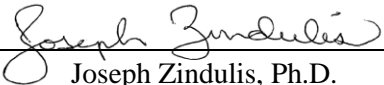
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27235A EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 59 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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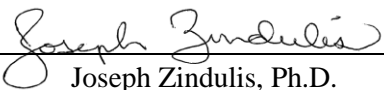
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27235B EXP. DATE: 8/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.1	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 50 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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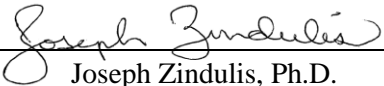
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27249A EXP. DATE: 9/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 55 Count at 45 minutes: 57 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 November 8, 2017

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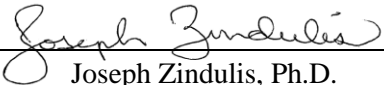
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27249B EXP. DATE: 9/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 58 Count at 45 minutes: 50 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

**Association for the Advancement of Medical Instrumentation validation method ANSI/AAMI/ISO 11137-1994; microbiological testing method AAMI TIR 8-1991.

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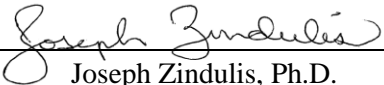
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27270A EXP. DATE: 9/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.3	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 77 Count at 45 minutes: 77 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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 November 8, 2017

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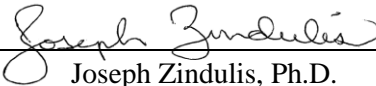
PRODUCT DESCRIPTION: Weber Scientific Phosphate Butterfield Buffer with MgCl₂
 CATALOG No. 3127-29 VOLUME (ml) 99 LOT No. 27270B EXP. DATE: 9/2019

TEST	RESULTS	SPECIFICATION	METHOD
pH @ 25° C	7.2	7.2 +/- 0.2	WS cSOP 8.4
TOXICITY*	Count at 0 minutes: 73 Count at 45 minutes: 67 PASSES	< 20% DECREASE	WS cSOP 24.3; 54.0
STERILITY	PASSES	<1 x10 ⁻⁶	AAMI** VALIDATED Gamma Irradiated (Certificate)
FILL VOLUME	CONFORMS	LABEL +/- 2 ml	WS cSOP 9.4; 13.4
COLOR	CONFORMS	CLEAR NO FOREIGN MATTER	VISUAL WS cSOP 33.2
PACKAGE INTEGRITY SHIPPER	CONFORMS	NO VISIBLE DAMAGE TO CARTON	VISUAL WS cSOP 15.3
PACKAGE INTEGRITY BOTTLE	CONFORMS	NO LEAKING	WS cSOP 14.4
PACKAGE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5
BOTTLE MARKINGS	CONFORMS	CONFORMS TO STANDARD	WS cSOP 5.5; 6.4; 38.2

*TEST PERFORMED AT COMMERCIAL LAB: New Jersey Laboratories.

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