

Sponsor: Helmut Scherer CareFusion Germany 234 GmbH Leibnizstrasse 7 Hoechberg 97204 GERMANY

## Bacterial Filtration Efficiency Test (BFE) at an Increased Challenge Level GLP Report

Test Article: MicroGard II 190 g/m<sup>2</sup>, Respiratory Filter

Purchase Order: 10003754 Laboratory Number: 530459 Study Received Date: 28 May 2010

Test Procedure(s): Standard Test Protocol (STP) Number: STP0009 Rev 03

Protocol Detail Sheet (PDS) Number: 201001540 Rev 01

**Summary:** This procedure was performed to evaluate the bacterial filtration efficiency (BFE) at an increased challenge level of the test article. A challenge level of greater than 10<sup>6</sup> colony-forming units (CFU) was delivered to each test article to determine filtration efficiency. The aerosol challenge flow rate was maintained at 30 liters per minute (LPM). This test procedure was modified from Nelson Laboratories, Inc., standard BFE procedure in order to employ a more severe challenge than would be expected in normal use. This method was adapted from ASTM F2101. All test method acceptance criteria were met.

## Results:

Unit Number	Total CFU Recovered	Filtration Efficiency (%)
1	5.2 x 10 <sup>1</sup>	99.99959
2	2.7 x 10 <sup>1</sup>	99.99979
3	$3.7 \times 10^{1}$	99.99971
4	7.2 x 10 <sup>1</sup>	99.99944
5	$6.0 \times 10^{1}$	99.99953

Challenge Level: 1.3 x 10<sup>7</sup> CFU
Mean Particle Size (MPS): 3.3 µm

Study Director

Adrianne Sandall, B.S.

anl



**Acceptance Criteria:** The mean particle size (MPS) of the challenge aerosol must be maintained at 3.0  $\pm$  0.3  $\mu$ m. The average percent BFE for the reference material must be within the upper and lower control limits established for the BFE test. The BFE challenge level must be  $\geq$  1 x 10<sup>6</sup> CFU/test article when the flow rate is  $\geq$  30 LPM.

**Procedure:** Approximately 100 mL of soybean casein digest broth (SCDB) was inoculated with Staphylococcus aureus, ATCC #6538, and incubated with mild shaking for  $24 \pm 4$  hours at  $37 \pm 2$ °C. The culture suspension was pumped through a Chicago nebulizer using a peristaltic pump at a controlled flow rate of 30 LPM and fixed air pressure. The challenge level was adjusted to provide a consistent challenge of greater than  $10^6$  CFU per test article.

The droplets were generated in a glass aerosol chamber and drawn through the test article holder into AGIs in parallel. The AGIs contained 30 mL aliquots of sterile peptone water (PEPW) to collect the aerosol droplets. The challenge was delivered for a 1 minute interval and sampling through the AGIs was conducted for 2 minutes to clear the aerosol chamber. Control runs (no media in test article holder) were performed after every 5-7 test articles to determine the number of viable particles being generated in the challenge aerosol. The MPS of the challenge aerosol was determined using a six-stage Andersen sampler.

The titer of the AGI assay fluid was determined using standard plate count and/or membrane filtration techniques. All plates were incubated at  $37 \pm 2^{\circ}$ C for  $48 \pm 4$  hours prior to counting. The percent BFE was calculated by subtracting the counts of the test article from the average control counts and dividing by the average control counts.

anl



## **Quality Assurance Statement**

Compliance Statement: The test was conducted in accordance with the USFDA (21 CFR Part 58) Regulations.

Activity	Date
Study Initiation	02 Jun 2010
Audit Performed by Quality Assurance	03 Jun 2010
Audit Results Reported to Study Director	09 Jun 2010
Audit Results Reported to Management	09 Jun 2010

Scientists	Title
Todd Hillam	Section Leader
Adrianne Sandall	Study Director

**Data Disposition:** The raw data and final report from this study are archived at NLI or an approved off-site location.

Ruality Assurance

14 Jun 2010
Date

Lab Number: 530459



FAX: +49 931 4972 62784  PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATIONS:  Test according to Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  NELSON LABS STUDY BIRECTOR APPROVAL  NELSON LABS STUDY BIRECTOR APPROVAL	COMPANY: EMAIL: PHONE:	No. of Contract of			LABO	
COMPANY: CareFusion Germany 234 GmbH EMAIL: helmut.scherer@CareFusion.com PHONE: +49 931 4972 784 FAX: +49 931 4972 62784  PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATIONS:  Test according to Standard Testing Protocol.  PROTOCOL SPECIFICATIONS  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABS STUDY BIRECTOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL	EMAIL: PHONE:	CareFusion	erer			Ison Laboratories Inc
EMAIL: helmut.scherer@CareFusion.com PHONE: +49 931 4972 784 FAX: +49 931 4972 62784  PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology PDS.INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATIONS:  Test according to Standard Testing Protocol.  PROTOCOL SPECIFICATION DATE: 13-May-2010  Instruction Date: 13-May-2010  PROTOCOL SPECIFICATION DATE: 13-May-2012  JUSTIFICATION:  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABS STUDY BIRECTOR APPROVAL  NELSON LABS STUDY BIRECTOR APPROVAL	PHONE:		Germany 234 GmbH			P.O. Box 17577
PHONE: +49 931 4972 784  FAX: +49 931 4972 62784  PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology  PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATIONS:  Test according to Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  NELSON LABS STUPY BIRECTOR APPROVAL  NELSON LABS STUPY BIRECTOR APPROVAL						
PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology  PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATIONS:  Test according to Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  NELSON LABS STUDY DIRECTOR APPROVAL	FAX:				SALT LAKE CITY, UT. 84123-6600 Tel: 801-290-7500 Fax: 801-290-7998	
PROTOCOL SPECIFICATIONS  PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology  PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATION:  No changes to the Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  NELSON LABS STUDY BIRECTOR APPROVAL:		+49 931 497	72 62784			
PARENTAL DOCUMENT: BFE at an Increased Challenge Level, STP0009, 3  SECTION: Aerobiology PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATION:  No changes to the Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL:			PROTOCOL	SPECIEIC ATIONS		THE THIRD CONTRACTOR OF THE TH
Aerobiology  PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  JUSTIFICATION:  No changes to the Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL	PARENTAL F	OCUMENT:	1			
PDS INITIATION DATE: 13-May-2010 EXPIRATION DATE: 13-May-2012  No changes to the Standard Testing Protocol.  PROTOCOL SPECIFICATIONS:  Test according to Standard Test Protocol.  OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL:		OCCOMENT.		tallerige Level, 51P0008	0, 3	
OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  NELSON LABS STUDY BIRECTOR APPROVAL:		ON DATE:		EVDIDATION	DATE.	42 14-11 2040
OAdditional pages attached for protocol specifications  Oadditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL		ON DATE.	13-Way-2010	EXPIRATION	DATE.	13-IVIAY-2012
OAdditional pages attached for protocol specifications  Oadditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL	No change	s to the Sta	andard Testing Pro	otocol		
OAdditional pages attached for protocol specifications  No additional pages not the sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL			indara roomig rite	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
OAdditional pages attached for protocol specifications  No additional pages not the sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL						
OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL	PROTOCOL SPECIFI	CATIONS:				
OAdditional pages attached for protocol specifications  The sponsor is responsible for test/control article characterization. This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL	Test accor-	ding to Star	ndard Test Protoco	ol.		
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  PONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
The sponsor is responsible for test/control article characterization.  This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
This includes, but is not limited to, identity, strength, purity, and stability.  **PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY BIRECTOR APPROVAL		Oa	dditional pages attached fo	or protocol specifications		No additional pages needed
**PLEASE SIGN, DATE, & RETURN TO NELSON LABORATORIES**  SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL						
SPONSOR APPROVAL:  NELSON LABS STUDY DIRECTOR APPROVAL		The sp	onsor is responsible fo	or test/control article of	haracter	ization.
		The spo	onsor is responsible fo des, but is not limited to	or test/control article o	haracter ourity, an	ization.
		The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article o o, identity, strength, p TURN TO NELSON	character ourity, an	ization. d stability. RATORIES**
SIGNATURE: A JULY	SPONSOR APP	The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article o o, identity, strength, p TURN TO NELSON	character ourity, an	ization. d stability. RATORIES**
SIGNATURE.		The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article of the control of the contr	character ourity, an	ization. d stability. RATORIES**
DATE: 14.05, 2010 DATE: 902 ON 0010	SPONSOR APP	The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article o o, identity, strength, p TURN TO NELSON	character ourity, an	ization. d stability. RATORIES**
PRINT NAME Holmost Schera PRINT NAME: Adviance Som	SIGNATURE:_	The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article coo, identity, strength, p URN TO NELSON NELSON LABS	character ourity, an	ization. d stability. RATORIES**
SIGNING THIS DOCUMENT SIGNIFIES AN ACCEPTANCE OF THE NELSON LABORATORIES TESTING TERMS AND CONDITIONS AS ATTACHED OR AS LISTED AT WWW.NELSONLABS.COM/PROTOCOLCONDITIONS.JSP	SIGNATURE:_ DATE: _	The spo This include **PLEASE S	onsor is responsible fo des, but is not limited to	or test/control article of to, identity, strength, pure to NELSON  NELSON LABS  SIGNATURE:  DATE:	character ourity, an	ization. d stability. RATORIES**
	SIGNATURE:_ DATE: _ PRINT NAME _ SIGNING THIS DOG	The spr This include **PLEASE S PROVAL:  ### Jan Market Market COMENT SIGNIFIE  The spr The sp	onsor is responsible for des, but is not limited to BIGN, DATE, & RET	or test/control article of to, identity, strength, purchased to NELSON NELSON LABS  SIGNATURE:  DATE:  PRINT NAME:  NELSON LABORATORIES TE	character burity, an LABOR STUDY E	ization. d stability. RATORIES**  DIRECTOR APPROVAL:
EOP DEFICE INC. ONLY	SIGNATURE:_ DATE: _ PRINT NAME _ SIGNING THIS DON TTACHED OR AS	The spi This include **PLEASE S PROVAL: A Co A Co Halmont CUMENT SIGNIFIE LISTED AT WWW.1	onsor is responsible for des, but is not limited to SIGN, DATE, & RET	or test/control article of to, identity, strength, property of the property of	character burity, an LABOR STUDY E D2 Adv	EXAMPLE SOLVER  EXAMPLE SOLVER
EOP DEFICE INC. ONLY	SIGNATURE:_ DATE: PRINT NAME SIGNING THIS DOU ATTACHED OR AS I	The spr This include **PLEASE S PROVAL:  ### A Cop  ###	onsor is responsible for des, but is not limited to design and	or test/control article of to, identity, strength, purchased in the property of the property o	Eharacter Durity, and LABOR STUDY E 02 Adv	EXAMPLE STATES AND CONDITIONS AS

FRM0206 Rev 7.1